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U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

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# INSTRUCTIONS

FOR

# PREPARING METEOROLOGICAL FORMS.

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## CLIMATOLOGICAL DIVISION.

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WASHINGTON:

GOVERNMENT PRINTING OFFICE.

1922.

17. All instrumental records will be kept on the standard of time in local use.

18. All data on pages 2 and 3 of Form No. 1001, except days with light and dense fog, and the corresponding data on page 9, and all data on page 10, will be recorded in 75th meridian time. All other data, with the exception of the 12 noon local mean time observation, will be recorded in the standard of time in local use. Data on Form No. 1014, and the notes on Form No. 1083, unless otherwise noted, will be in the standard of time in local use.

## FORM No. 4012, MIS.

19. Whenever an employee has reason to think that he has been wrongfully charged with errors, the correction letter will be returned at once, by indorsement, requesting a reexamination and stating what error or errors should not, in his opinion, be charged, with his reasons therefor. The matter will receive prompt and careful consideration, and should it be found that errors have been improperly charged they will be removed. If the errors charged are accepted, the letter will invariably be signed by the person or persons whose names appear in the body of the letter and promptly returned. In case of absence of the employee who is responsible for the accuracy of the data, it will be signed by the official in charge and forwarded to the one to whom the error or errors have been charged, to be noted by him and returned to the Central Office. Employees are enjoined to see to it that all corrections indicated and all resulting changes are made in Forms No. 1001, No. 1002, and No. 1014, and the Climatological Record. The carbon copy of the letter which accompanies it will be filed as a letter received.

## FORM No. 1001.

20. This form will be kept clean, and all entries therein made in a neat, legible hand. The leaves should be separated for convenience in entering the data, but margins must not be trimmed.

21. Whenever, from any cause, an observation is not taken the reason therefor will be plainly written on the margin and a full report of the facts at once made to the Chief of the Weather Bureau.

22. If an observation has been taken late it will be recorded in brackets with the exact time at which it was taken and used in computing all means and averages the same as if taken on schedule time, unless the conditions have changed since the time for the observation, in which case the probable conditions at the proper time of observation will be determined from the recording instruments by interpolation. These interpolated values will be entered in red ink above the late readings and used in all means and deductions.

23. An observer may be occasionally prevented by legitimate causes from taking an observation on time, but in such a case the observation will be taken as soon as possible and recorded as of the time at which it was actually taken and disposed of as provided in paragraph 22, and a full report of the facts at once made to the Chief of the Weather Bureau. This report will always receive proper consideration.

24. An observer guilty of falsifying the record by reporting observations as taken at prescribed hours which were not actually so taken, or in any other manner whatsoever, will be summarily and severely dealt with, regardless of previous record or length of service.

25. All observations entered on Form No. 1083 will be immediately copied in the proper spaces in Form No. 1001. The retained record will contain pages 2, 3, 8 (except beginnings and endings of precipitation), 9, 10, and 13, and must be kept up to date. All footings on pages 4, 5, 7, and 11 of Form No. 1001 that are required to be entered in Form No. 1002 will be copied in the retained form No. 1002 before mailing Form No. 1001.

26. The observation will be begun 20 minutes before 8 o'clock, 75th meridian time. The cipher report should be filed at the telegraph office at 8 a. m. or p. m., 75th meridian time. The 12 noon local mean time observation will be begun exactly at that hour.

27. Instruments will be read and conditions noted in the following order: (1) Clouds, (2) state of weather, (3) maximum and minimum thermometers, (4) dry and wet thermometers (and thermograph noted), (5) anemoscope, (6) rain gage (or snow gage), (7) register to anemometer, (8) attached thermometer to barometer, (9) barometer (and barograph noted).

28. All entries in this form must be made in black record ink except when otherwise directed. Red ink will not be used except in underscoring and when specially directed (see pars. 22, 59, 69, 91, and 221). On Forms No. 1001 and No. 1083 erroneous entries in columns for original readings should have an ink line drawn through them. The obliteration of any entry in columns for original readings on Forms No. 1001 and No. 1083 is prohibited.

29. Entries of direction of wind and clouds will be printed thus: N, NE., E., etc.

30. When crowded for room, notes will be put upon the margin.

31. Instructions relative to taking special observations are given in the Weather Code.

32. All meteorological observations taken will be checked, so far as possible, the following day by the employee responsible for their accuracy.

33. The day of the week on which the month begins will be entered on the left-hand margin of page 8, opposite the first date.

### PRESSURE.

34. Actual Elevation.—The height of the zero points of the barometers of a station above sea level. The elevations of instruments will be entered to whole feet on *all meteorological forms*, except Form No. 1058, when these data are required.

35. Station Elevation.—The elevation above sea level adopted for a station at a basis to which all pressure observations at the station are correlated. The elevation on January 1, 1900, was adopted as the station elevation for each one in operation on that date. For stations opened subsequently, the elevation of the barometer at the time of opening of station will be adopted as the station elevation.

36. Removal Correction.—When an office is moved to new quarters and the elevation of the barometer is thereby changed, a proper correction will be applied to the barometric readings in the new location that will reduce the observed readings to the pressure appropriate to the "station elevation." This removal correction will be included in the sum of corrections, Form No. 1059, furnished by the Instrument Division.

37. Sum of Corrections.—A term embracing all the corrections that are practically constant for a given instrument and in a given location, namely, the correction for scale errors, capillarity, gravity, and the removal correction. This sum is given on Form No. 1059, furnished for each instrument.

38. Total Correction.—The correction for temperature, plus the "sum of corrections" as defined above.

39. Observed Reading.—The direct result of the reading of an instrument, uncorrected for any errors.

40. The barometer should be read and recorded to the nearest thousandth of an inch, and the reading will be immediately entered on Form No. 1083 before the reductions are made.

41. Station Pressure.—Corrections for instrumental error, gravity, temperature, and removal, preceded by the proper algebraic signs, will be applied to the observed barometer readings. The correction for temperature will be obtained from the barometer correction cards, as follows: Find at the top of the card the observed height of the barometer, and in the column headed "Attached thermometer" the reading of the attached thermometer; the number at the intersection of these lines will be the correction to be applied. If the reading of the thermometer be less than 29° above zero, the correction will be added, and if 29° or more it will be subtracted. For barometer or attached thermometer readings not given in the table the temperature correction will be determined by interpolation. The sum of corrections for instrumental error, gravity, and removal will be applied to the correction for temperature before recording the latter. Example: Observed barometer reading, 29.512; attached thermometer, 62.0; sum of corrections, +.008. The temperature correction card gives a correction of —.089, to which add the sum of correction +.008 = —.081 to be used and recorded in column headed "Total correction."

42. If the position of the barometer be changed and the elevation increased, .001 inch will be added to the sum of corrections for each foot of increase; if the elevation be decreased, .001 will be subtracted for each foot of decrease. These corrections will be applied pending the receipt of new correction cards.

43. Reduced Pressure.—The reduced barometer will be taken directly from the special table supplied to each station and will be entered to hundredths only. The temperature argument, at stations making two observations daily, will be the mean of the current temperature and that at the preceding regular observation; at stations making but one observation daily it will be the mean of the maximum and minimum temperatures as read at the time of observation. The pressure argument will be the station pressure to hundredths of an inch only (the third decimal being disposed of according to rule). Enter the table with the arguments as above described and find the point where the argument lines intersect; the value there given will be the reduced pressure. It will be necessary to interpolate for the hundredths when the station pressure falls between the tenths of an inch as given at the top of the table. No interpolation will be required for temperature argument if the table be extended so that for each temperature entered there is a difference of only one hundredth in the table. The temperature argument for a special observation will be the mean of that and the corrected thermograph reading 12 hours previous to the time of the special.

## TEMPERATURE.

45. All thermometers must be read and the readings recorded to the nearest tenth of a degree, except the attached thermometer, which will be read and recorded to the nearest half degree.

47. Instrumental corrections will not be applied to thermometer readings except when they are ± 0.3 or more in the case of mercurial thermometers, and ± 0.5 or more in the case of minimum or alcohol thermometers, except when the temperature is 42° or lower; and except when the wet thermometer reads higher than the dry, then all corrections will be applied to the readings of the dry and wet bulb thermometers. The corrections furnished are for each 10°, and will be applied algebraically to the scale readings of the thermometers before recording the same. For a scale reading between those for which corrections are given, an interpolated value of the correction will be used. Example: For a reading of 62.0° the correction is —0.5°. The true temperature is, therefore, 62.0° —0.5°=61.5°. For a reading of —8.0° the correction is —1.2°, the true temperature is —8.0° —1.2°= —9.2°. For a reading of —28.0° the correction is +7.8°, the true temperature is —28.0° +7.8°= —20.2°. The corrections of thermometers are given on the cards only as low as actual comparisons have been made with substandards. If it should happen that a reading of a thermometer is obtained at a point lower than any for which its corrections are given, then the corrections will be determined by continuing the same ratio of increase or decrease as between the last 30° for which the corrections are given. Example: The correction at +2° is —0.6°, and at —28.0° is —2°. The change of correction between +2° and —28° is —1.4°. For 7° it is about —0.3°. For a scale reading of —35.0°, which is 7° below —28.0°, the correction is —2.3°, and the true temperature is —35.0° —2.3°= —37.3°. When the signs of the temperature and the correction are the same, add; when different, subtract.

48. The maximum and minimum thermometers will be set both at the a. m. and p. m. regular observations. They will not be set when taking special observations.

49. Observers should always note whether there is agreement in the temperature values given by the several thermometers; that is to say, (1) the top of the alcohol column of the minimum should indicate the same or nearly the same temperature as shown by the dry thermometer; (2) the minimum thermometer readings should be as low as, or lower than, the dry thermometer at the current and preceding observations; (3) the maximum thermometer reading should be as high as, or higher than, the dry thermometer at the current and preceding observations. Readings contrary to the above rules, if the instruments are properly set and read, are abnormal, and steps will be taken at once to discover and remove the cause or replace the instrument if defective. Small differences, however, amounting in some cases to nearly or quite a degree, will occasionally be found to occur. On such occasions the exact readings must be recorded, with an explanatory note.

50. The wet thermometer should always be kept in proper condition, the bulb and muslin cover clean and carefully moistened preceding each observation. In damp, foggy weather it may sometimes read higher than the dry thermometer after all instrumental corrections have been applied, in which case enter the corrected reading of the instrument, but inclose it in brackets, and enter the corrected reading of the dry thermometer above it and use the latter in obtaining the footings; record the reading of the dry bulb as the temperature of the dew-point, and the relative humidity as 100 per cent, with an explanatory note on the margin.

51. When the temperature of the air is below that at which mercury freezes, the temperature as indicated at the top of the alcohol column of the minimum thermometer will be entered as the readings of the dry and wet

bulb thermometers, and also as that of the dew-point, and the relative humidity will be recorded as 100 per cent.

During the prevalence of low temperature, but above the freezing point of mercury, the wet bulb covering should be saturated a few minutes before beginning the observation; and whenever, after diligent effort, it is found impossible to cause the wet thermometer to read as low as, or lower than, the dry thermometer after applying all corrections—any incidental moisture on the dry bulb being removed—the reading of the wet thermometer will be recorded as corrected and inclosed in brackets, and the reading of the dry thermometer entered above it and used in obtaining sums and means. The dry thermometer reading will be recorded as the temperature of the dew-point, and the relative humidity as 100 per cent. Explanatory notes should indicate when these conditions occur.

52. The dew-point, relative humidity, and vapor pressure will be obtained in accordance with the tables furnished; the dew-point will be entered to the nearest whole degree, the relative humidity to the nearest whole per cent, and the vapor pressure to the nearest thousandth of an inch.

53. All daily temperature values on page 8 will be entered in whole degrees only, the tenths of degrees being disposed of according to rule.

54. At stations having a thermograph the maximum and minimum temperatures on page 8 will be taken from the maximum and minimum thermometer readings on pages 2 and 3 (see paragraphs 55 and 56) except when the true maximum or minimum for the day, midnight to midnight, can not thus be obtained, in which event it will be obtained from the corrected thermograph trace (see paragraph 219). At stations not having a thermograph the maximum and minimum will be obtained in accordance with paragraphs 55 and 56.

55. The maximum temperature for the day will be taken from the p. m. observation, except under the following conditions: (1) The maximum temperature recorded at the a. m. observation of the next day will be used when it is higher than the maximum at the p. m. observation and is believed to have occurred before midnight; (2) the maximum temperature recorded at the preceding a. m. observation will be used when it is believed to have occurred after midnight and is higher than any temperature recorded after the a. m. observation of that day. The maximum of any day must be as high as the minimum of the preceding day.

56. The minimum temperature for the day will be taken from the a. m. observation, except under the following conditions: (1) When a lower minimum is recorded at the p. m. observation, it will be used; (2) when the minimum recorded at the following a. m. observation is lower than that recorded during the preceding day, and is believed to have occurred before midnight, it will be used; (3) when the minimum recorded at the a. m. observation of the current day is believed to have occurred before midnight the minimum temperature for the day will be taken from the p. m. observation, unless example (2) requires it to be taken from the following a. m. observation. The range is the difference between the maximum and minimum.

57. The mean (max. and min.) temperature for the day is the sum of the maximum and minimum (as recorded on page 8) divided by 2, and will be recorded to whole degrees only, the tenths being disposed of according to rule. This mean will be used on all forms and reports as the daily mean temperature.

58. The change of temperature is the difference between the mean temperature of the previous and that of the current day.

59. Hourly Readings.—At stations designated by the Central Office the hourly readings of the thermograph, at the exact hour, after being corrected for instrumental error in accordance with instructions, will be entered in black ink on page 5 in whole numbers. The readings at 8 a. m. and 8 p. m., 75th meridian time, and at all other hours at which eye readings are made of the dry thermometer, when they correspond to an exact hour, standard of time in local use, will be entered in the proper hours, and in the same hour column will be written, in red ink, with its appropriate sign, the correction for the self-registering instrument (see paragraphs 212 and 217–222). All eye readings at hours other than 8 a. m. and 8 p. m., 75th meridian time, will be underscored in red ink.

60. In case the register fails to record for a portion of the day, the missing data should be supplied by interpolation; the data thus obtained will be connected by an asterisk to an explanatory note on the margin of the form.

61. Only data for whole days will be used in obtaining sums and means.

62. Footings.—The sums and means will be determined from the data entered in accordance with the foregoing instructions, the means being recorded to tenths.

63. Average Hourly Readings.—The mean of the column headed "Sum" will be obtained by dividing the total sum by the number of hours in the month.

64. Page 4 will be prepared at all stations where an automatic record of sunshine is made, except at those that have been authorized not to do so. The character of the day and average cloudiness will be entered at all stations.

65. With the exception mentioned in paragraph 71, the actual time sunshine as recorded during each hour will be entered to the nearest tenth of an hour in the appropriate columns under heading "Sunshine recorded during hours ending" (4 a. m. to 9 p. m., standard of time in local use).

66. The "Character of sunrise and sunset" will be recorded as clear, cloudy, foggy, hazy, or smoky, depending upon whether the sun was visible or obscured at the time of sunrise or sunset. When the character of sunrise or sunset is cloudy, foggy, hazy, or smoky the time these conditions obtained will be deducted from the full possible twilight correction.

67. It is not intended that observers shall go on duty at unreasonably early hours in order that the character of sunrise may be determined, but it is believed that, without much inconvenience, sufficiently accurate data can be obtained by noticing the character of weather immediately upon rising and by inquiry of persons who may have occasion to be up at time of sunrise.

68. The "Twilight correction" will be the difference between the time of sunrise for the latitude of station (as shown by Sunshine Table, Edition 1905) and the time at which the sunshine record began, and the difference between the time the sunshine record ended and the time of sunset (shown by table), provided the sky was clear during both these periods. If there were clouds, fog, etc., on the horizon sufficient to obscure the sun, either morning or evening, the time the sun was obscured should be deducted from the correction, as determined above.

69. The twilight correction will be apportioned among the morning and evening hours during which the sun shone and the register failed to record. The amount which belongs to each hour will be entered in red ink to the left of and above the entry of the amount of recorded sunshine. The twi-

light correction thus entered will be included in the sums entered at the bottom of the page.

70. Under " Hours of sunshine " the column headed " Total " will be the total recorded, including twilight correction. The " Possible hours of sunshine," recorded in the succeeding column, will be computed from the time of sunrise and sunset, as previously taken from Sunshine Table, Edition 1905.

71. In order that the first and last of the monthly " sums " under " hours ending " shall not be discordant with the " divisors " employed at the end of the month, the first and last fractional proportions of the " twilight correction " will be recorded each day to the nearest hundredth of an hour, provided the sun when at the horizon was not obscured; all other entries will be to the nearest tenth.

72. The " Percentage of possible hours of sunshine " will be obtained by dividing the total for each day (total recorded, plus twilight correction), multiplied by 100, by the " Possible " for the same date.

73. The daily sunshine percentage may, at the option of the official in charge, be entered on the right-hand margin of page 8, retained Form 1001.

74. The " Percentage of possible for each hour " will be determined by dividing the " Sums," multiplied by 100, by the number of hours of possible sunshine for the entire month, during the hour indicated by the heading of the column. Except for the hours ending shortly after sunrise or sunset the " Hours of possible sunshine " will be the same number as there are days in the month. The divisors to be used for the hours ending shortly after sunrise and sunset are given in Sunshine Table, Edition 1905. The " Percentage of possible " for the month will be determined by dividing the sum of column headed " Total," multiplied by 100, by the " Possible " for the month. The possible hours for the month is not always the sum of the daily totals. (See paragraph 28, Circular G.)

75. All percentages will be recorded to the nearest whole per cent.

76. If at any time, the amount of sunshine recorded by the instrument is known to be incorrect, either because the instrument fails to record when the sun is faintly obscured by thin haze, cloud, light fog, or light smoke, or because it continues to record for moderate cloudiness which obscures the disk of the sun, the true amount, as determined by eye observations, will be entered in the proper hour spaces in black ink and an explanatory note made on the margin of the form and on the original record sheets. A slight readjustment of the angle of inclination of the glass tube will eliminate imperfect results of this character with the electrical sunshine recorder.

77. No twilight corrections for the first and last hours will be entered under the conditions given in paragraph 76, but the record for the entire time will be in black ink, and the entries for the fractional hours will be recorded to hundredths.

78. When hills, trees, or buildings in easterly and westerly directions cause the actual times of sunrise and sunset to differ from those in the table, the observer will note, about the 15th of each month, or oftener if the horizon is very irregular, the time of actual sunrise and sunset, for the center of the sun's disk, and note those observations on the margin of the page.

## WIND.

79. The current velocity, and maximum velocity since last observation, will be obtained in accordance with paragraphs 176-179. When the anemometer cups are not moving at the time of observation the wind will be recorded as calm, whether or not 1 or more than 1 mile has been recorded during the last hour; if the cups are moving, a velocity of 1 mile or more will be recorded. The maximum velocity will be entered on pages 2 and 3 only when it equals or exceeds 25 miles per hour. Where but one observation is taken daily, enter the prescribed velocity for the twelve hours preceding the observation and omit entry for the succeeding twelve hours.

80. The maximum velocity must always be equal to or greater than the current velocity, and will have but one direction recorded therewith.

81. The current velocity will be the reading at the time of taking the observation, i. e., between 7.40 and 8 o'clock, 75th meridian time. The maximum velocity will be the highest velocity for a five-minute period during the twelve hours preceding the regular observation.

82. Whenever there is a break in the record, enter note with the maximum velocity for each twelve hours, and for the day, stating the time for which they are a record.

83. The total movement for the twenty-four hours ending at 12 midnight will be used as the total daily movement.

84. The prevailing direction of the wind for each hour will be entered in the hour spaces, page 6. Only one entry will be made as the prevailing direction for any single hour. If two or more directions are recorded an equal number of times on Form 1017, consider the directions adjacent to the hour in determining the direction to be entered as prevailing. When the wind movement for any hour is entered as "0" the direction for that hour will also be " 0."

85. The prevailing direction for the day, and for the hour as recorded at the foot of page 6, is the direction or directions which appear most frequently in the respective line and column.

86. The direction recorded the greatest number of times during the month will be considered and entered as the prevailing direction for that period. If two or more directions occur an equal number of times, consider the adjacent directions in determining the prevailing direction for the month. Only one direction will be entered.

87. Hourly Wind Movement.—The number of miles of wind recorded each hour will be entered for each day on page 7.

88. In counting the number of miles of wind for each hour the closing of the circuit should be counted as the mile and should be given to the hour in which the circuit closed.

89. The record for each day on pages 6 and 7 must be completed on the day following that for which the entries are made, or as soon thereafter as practicable, and the total for each day compared with the total from midnight to midnight, for the same period of time, entered on the face of the wind sheet.

90. The average hourly velocity will be obtained by dividing the total movement by the number of hours in the month.

91. The maximum velocity during the hour will be entered in red ink in the upper left-hand corner of the hour space each hour that the maximum velocity exceeds the limit fixed by the official in charge, for entry in Form No. 1014 (see par. 165). This velocity will be entered in the space provided at the top of the page.

92. At specially designated stations the number of miles and the length of time from each wind direction will be compiled from the data entered on pages 6 and 7, Form 1001. The number of miles for each particular hour will be credited to the prevailing wind direction for that hour.

*Example.*

On the 1st: Prevailing wind direction for each hour to 12 noon, W.
Total wind movement to 12 noon, 196.
Prevailing wind direction for each hour, 12 noon to mid., NW.
Total wind movement, 12 noon to midnight, 248.
The record for the 1st: W., 196 miles in 12 hours.
NW., 248 miles in 12 hours.

The sum of the percentages of time from the eight directions should be 100. When this sum is more than 100, deduct 1 per cent from one, or more, of the percentages which was increased most in discarding the decimals, to reduce the sum to 100. Likewise, when the sum is less than 100, add 1 per cent to one, or more, of the percentages according to a similar rule. The same rules apply to the percentage of miles.

CLOUDS.

93. Entries of clouds will be printed thus: Ci., Ci.St., Ci.Cu., A.Cu., A.St., St.Cu., Nb., Cu., Cu.Nb., St.

94. The amount of clouds will be recorded on a scale of zero (0) to ten (10). If no clouds are visible, record zero (0); less than one-tenth, record "Few"; less than two-tenths and not less than one-tenth, record 1, etc. Absence of movement will be indicated by the figure zero (0) in the space for direction; and when there is doubt as to kind and direction, a query mark (?) will be placed after the questionable record. The directions from which the clouds are moving will be recorded to eight points of the compass, as N., NE., E., etc.

95. Haze, smoke, and fog will be recorded in tenths, and must be designated as dense or light. These amounts will not be considered in footing up the columns.

96. When dense haze, dense smoke, or dense fog obscures eight-tenths or more of the sky and no other clouds are visible, the state of the weather will be recorded as "Hazy," "Smoky," or "Foggy." Otherwise the state of the weather will be determined by the proportion of visible sky covered with clouds.

98. Haze will not be given a direction. Fog and smoke can have a direction; when no movement is perceptible, record zero (0) in space for direction. The most frequent kind and direction of clouds, page 9, Form 1001, will be determined by the entries on pages 2, 3, and 11. Haze, fog, and smoke will always be considered in determining the most frequent kind of clouds; and the direction of fog and smoke will be considered in determining the prevailing direction of clouds, but the amount of fog or smoke will not be considered in the sums and averages.

99. If there be two or more levels of clouds observed, invariably record the upper first and the lower immediately underneath in the space for clouds.

100. Clouds will be recorded according to their form without reference to the occurrence of precipitation. That is, if rain is falling from strato-cumulus clouds, record the clouds "St.Cu." and the state of weather "Light rain," etc. When precipitation is occurring with dense fog, record the clouds "10 Nb." and the direction the same as the wind. When precipitation is occurring in the distance, but not actually at the place of observation, an explanatory note will be entered and the state of the weather recorded in accordance with the conditions at the place of observation.

101. Observers should be careful not to record cumulus or strato-cumulus as cumulo-nimbus. It is seldom that more than a few tenths of cumulo-nimbus clouds are visible.

102. In the column "Average cloudiness," page 4, observers will record in whole numbers the average amount of clouds during the day (sunrise to sunset) on a scale of zero (0) to ten (10), as determined from frequent personal observations.

103. The "Character of day" will be determined from data in column headed "Average cloudiness"; zero to three, inclusive, record "Clear"; four to seven, "Partly cloudy"; eight to ten, "Cloudy."

PRECIPITATION.

104. The time of each beginning and ending of precipitation will be recorded; intervals of fifteen minutes or less between the time of ending and recommencement not being considered except near the time of an observation, when all beginnings and endings must be recorded.

105. When a thunderstorm occurs the international symbol for thunderstorm ( ⚡ ) will be entered on the right-hand margin of page 8 on each day, midnight to midnight, standard time in local use, on which thunder was heard.

106. The amount of rainfall will be determined by measuring with the "Measuring stick" the amount in the receiver of the rain gage; record as the amount one-tenth of the actual depth measured. After the receiver has been emptied the water in the overflow, if any, will be poured into the receiver, measured, and added to that found in the receiver. Precipitation of less than 0.005 of an inch will be recorded "T." When the p. m. observation is not taken, the amount of precipitation for that observation will be measured the same as if both observations were taken.

107. When there is danger of evaporation, the rainfall will be measured as soon as the rain ceases, and the water, if drawn off, will be returned to the gage. If the measurement at the next regular observation exceeds this one, it will be substituted therefor.

108. All precipitation entirely or partially in the form of sleet, snow, or hail will be melted, poured into the rain gage receiver, measured, and recorded in the same manner as rainfall. The measurement of precipitation in the form of snow is attended with much uncertainty, due to the action of the wind in drifting the snow and preventing it from entering the gage or blowing out a portion of the snow that has entered. If the observer has reason to believe that the amount collected in the snow gage is not the total snowfall since last observation, three measurements of the depth of snow will be made at different places and the mean of these measurements recorded as the actual depth of the snow. If it is impracticable to melt or weigh the snow, or the amount collected in the snow gage is not considered correct, one-tenth of the amount of snow in the gage or from measurements elsewhere, as the case may be, will be recorded as the amount of precipitation for that observation, with an explanatory note.

109. The following suggestions are given for the guidance of observers in the measurement of snowfall:

While one-tenth the depth is arbitrarily adopted as the water equivalent of snow, yet this is only coarsely approximate, and observers should always endeavor to determine the actual equivalent by one of the following methods:

*First method.*—Select a place where the snowfall is as little disturbed as possible and cut out a section with the snow gage, or 8-inch overflow of the rain gage, by sinking the

gage inverted through the snow and covering the mouth with a sheet of tin or thin board. The 8-inch cylindrical section of snow thus secured is then most conveniently measured by weighing, either in the gage itself, the weight of which is afterwards deducted, or after first emptying the snow into some smaller or lighter vessel. If this weight can be ascertained with an accuracy of within one-fourth of an ounce, the water equivalent will be given to the nearest hundredth of an inch by use of Table II—Paragraph 77, Circular A, 1903.

*Second method.*—If the snow is melted and measured in the measuring tube of the rain gage, care must be taken that loss does not occur by evaporation. Rapid melting must be avoided. The best results are obtained, not by melting directly, but by mixing a measured quantity of warm water with the snow and then measuring the slushy mixture, just as if the snow were all melted, deducting, of course, the amount of warm water added. Ten, or even five inches of warm water in the measuring tube are sufficient for effecting the measurement of a very considerable snowfall. Care must be taken in changing the snow or water from one vessel to another that portions of the precipitation are not lost.

110. When precipitation is occurring at the time of observation, or occurs between the taking of the observation and 8 o'clock, 75th meridian time, a check mark will be made on Form No. 1017 or No. 1028 to show the exact time of observation. The record for that hour as entered on the face of the above forms will include the amount between the check and the end of the hour, but under head of precipitation at time of the a. m. and p. m. observations on the above forms, as also similar headings on Forms No. 1001, No. 1014, and No. 1083, the entries will show the amounts recorded at the time the measurements were made.

111. Precipitation from fog, dew, or frost will not be recorded in this form. Absence of precipitation will be indicated by the figure zero (0).

112. All beginnings and endings of precipitation will be entered in chronological order on the dates on which they occur, beginning at the left-hand column. Only one entry will be made in each column when there are not more than four showers. A. m. and p. m. will be entered as "a" and "p," respectively. When time of beginning and ending is unknown it will be recorded as D. N. a. or D. N. p. (during night).

113. The depth of snowfall (maximum depth, less amount, if any, on ground before the period) during the preceding twenty-four hours will be entered each day in the column headed "Unmelted ..... p. m. to ..... p. m.," on page 8. If there are several separate snowfalls within the 24-hour period, each one of which melts before the following one occurs, the total fall for the 24-hour period will be the sum of the maximum depths for each fall.

114. Less than 0.05 inch of unmelted snow, and all snow which melts as it falls, will be recorded as "T," and in the case of the latter a marginal note "Melted as it fell" will be entered.

115. The total depth of unmelted snow on the ground each day at 8 p. m., 75th meridian time, by actual measurement (the means of three measurements when the snow is drifted), will be entered in the column headed "On the ground at ..... p. m.," page 8.

116. All unmelted snowfall will be recorded to inches and tenths, except as indicated in paragraph 114.

117. Enter under "Amount of precipitation from melted snow (midnight to midnight)" on page 8 the amount of precipitation from melted snow (estimated if unknown). When it is estimated, a marginal note should be entered stating the fact.

118. Care should be taken in determining the character of precipitation when in the form of sleet or hail.

Hail and sleet will not be entered in the columns for unmelted snow.

## WEATHER.

119. The state of the weather will be determined and recorded with reference to the degree of cloudiness, and whether or not precipitation is falling or likely to fall soon; thus when the sky is three-tenths or less covered with clouds, record "Clear"; four to seven tenths, inclusive, "Partly cloudy"; eight to ten tenths, "Cloudy"; and "Misting," "Sprinkling," "Light rain," "Heavy rain," "Light snow," "Heavy snow," "Sleeting," "Hailing," "Threatening," and "Clearing" when these conditions exist (see paragraphs 96 and 104). When two or more kinds of precipitation are occurring at the time of observation all will be entered under the "State of weather." When light fog, light haze, or light smoke is observed with no clouds, the state of weather will be recorded as "Clear."

120. When a thunderstorm is prevailing at the moment of observation, or the rain is still falling, and thunder has been heard or lightning seen within the hour previous to the observation, the international symbol for thunderstorm will be entered after "State of weather."

## FOOTINGS AND SUMMARY.

121. *a.* No data required.

*b.* Underscore in red ink maximum and minimum of the column.

*c.* Enter most frequent kind or direction, and when two or more directions or kinds are observed an equal number of times, all will be entered. Calm will not be considered in determining the most frequent direction of clouds.

*f.* On page 3, under "Fog," "Light," or "Dense," enter the time of beginning and ending on days when these conditions are observed at station, midnight to midnight, standard of time in local use. Enter on page 9 the dates of all days on which fog is observed. A dense fog is one that is dense enough to obscure objects at a distance of *one thousand feet.*

*g.* The monthly means of "Station pressure," "Reduced pressure," "Dew-point," "Humidity," "Vapor pressure," and "Temperature" (a. m. +p. m.÷2) will be obtained by adding the monthly means of the a. m. and p. m. observations and dividing the sums by 2. The "Monthly mean temperature" will be obtained by dividing the sum of the mean maximum and minimum temperatures by 2.

*h.* In determining the highest and lowest pressure for the month the barograph trace will be considered, and if any corrected barograph reading is lower or higher than the recorded station pressure for any regular or special observation, this reading will be entered under the heading "Station" on page 10, to three decimal places, the last decimal being zero. The corrected thermograph reading at the time of this barograph reading will be entered to whole numbers as the "Dry," and the reduced pressure determined according to the rule for special observations. The other entries should indicate the date and time of occurrence. The pressure values thus derived will be used in determining the highest and lowest for the month for entry on page 9. When the highest or lowest reduced pressure occurs on more than one date, carry the reduction to thousandths to determine the actual date.

*i.* The highest and lowest temperatures and the greatest and least daily ranges will be taken from page 8, but the dates on which they actually occurred (tenths considered) will be determined from pages 2 and 3. At stations supplied with thermographs, when the monthly maximum or minimum temperature is recorded the same on two or more dates on pages 2 and 3, the date of the highest or lowest temperature for the month will be determined by the thermograph trace, using the date on which the highest or lowest point is reached by the thermograph pen. When the greatest or least daily range of temperature occurs on two or more dates, as shown on pages 2 and 3, the date will be determined by referring to the thermograph trace.

*j.* The number of days with the maximum temperature 90° or above, 32° or below, and minimum temperature 32° or below, and zero or below, will be determined from the maximum and minimum thermometer readings as recorded to tenths. When the maximum or minimum temperature is taken from the thermograph it will be considered as whole degrees.

*k.* When on more than one date, both dates will be given.

*l.* (1) Precipitation will be considered excessive when it equals or exceeds 2.50 inches in twenty-four consecutive hours, or 1 inch in one hour. See also paragraph 200.

(2) In determining the duration of excessive precipitation of 2.50 inches in twenty-four hours at stations equipped with recording rain gages, the period of duration will begin with the first closing of the circuit and end with the last closing for each shower. All intervals between showers will be excluded. At stations not equipped with recording gages the period of duration will be the time precipitation actually occurred. The period may be extended beyond twenty-four hours as long as the rate of 2.50 inches in twenty-four hours continues.

(3) When the above data are compiled for publication the following footnote will be made: "The duration is the time precipitation was actually recorded."

(4) Excessive precipitation at the rate of 1 inch an hour will not be entered on Form No. 1001.—Met'l, unless 1 inch falls within one hour. If 1 inch is recorded in less than one hour that amount only will be taken, unless the rate of fall continues excessive (at the rate of 1 inch an hour or eight and one-third hundredths inch in five minutes), in which event the entire amount of precipitation at the excessive rate and the entire time at which the rate was excessive will be entered.

(5) After 1 inch has been recorded within one hour, if the rate ceases to be excessive for a short time and again becomes excessive, whether or not it extends beyond one hour, both amounts will be included, provided the amount for the last excessive period is sufficient to make it and the non-excessive interval, taken together, excessive.

(6) At the beginning or ending of excessive precipitation of 1 inch an hour no amount at less than that rate will be included unless required to make a total of 1 inch in an hour.

*m.* In computing the maximum precipitation in twenty-four hours and excessive precipitation data, the division of the months will be disregarded. The same data will not be included in the compilations for two months. When the record for the 1st of a month has been included in that for the preceding month, a note to that effect will be entered on page 9.

*n.* A day with hail is one on which a trace or more of hail fell.

*o.* To be taken from the sum of columns headed "Snowfall, unmelted, ..... p. m. to ..... p. m.," page 8.

*p.* To be determined from page 6 or 13 at stations that prepare either or both pages and from the "Number of times observed from," as recorded in the summary, at stations that do not prepare pages 6 or 13. If two or more directions are recorded an equal number of times, consider the adjacent directions in determining the prevailing direction for the month. Only one direction will be entered. When calm exceeds the prevailing direction, it will be entered immediately above the latter.

*r.* Enter but one maximum wind velocity, direction, and date.

*t.* The "Monthly mean cloudiness" will be the mean of the column "Average daily cloudiness," on page 4.

*u.* To include only days on which 0.01 inch or more of rain, melted snow, sleet, or hail fell.

*v.* A day with thunderstorm is one on which thunder is distinctly heard at the station, whether or not lightning is seen or rain falls at the station. (See par. 105.)

*w.* Stations having a recording rain gage will enter the maximum fall in five and ten minutes, etc., for the month, together with the date of occurrence.

### RULE FOR DISPOSING OF DECIMALS.

122. In dropping decimals, if the figure to be dropped is greater than 5 (or 5 with a remainder) the preceding figure will be increased by 1. If the decimal figure to be dropped is 5 exactly, the preceding figure when odd will be increased by 1, and when even it will remain unchanged. If the figure to be dropped is less than 5, retain the preceding figure unchanged.

123. In computing the monthly means of barometer and vapor pressure the division will be carried to four decimal places, and the fourth decimal dropped in accordance with the preceding rule. In computing all means (except for barometer and vapor pressure) carry the division to two decimal places only, and dispose of the last decimal figure according to the preceding rule.

### FROSTS.

124. The date of occurrence of each frost will be recorded throughout the year in California and Florida and along the immediate coast of the Gulf of Mexico. In the spring all frosts will be recorded, beginning March 1, in the portions of Washington and Oregon west of the Cascade Mountains.

125. In the spring in all sections, except those mentioned in paragraph 124, the date of occurrence of each frost will be recorded on and after the date that the daily normal temperature, as shown in Bulletin R, is 43°.

126. All frosts occurring at any station between May 1 and August 31 will be recorded.

127. During the autumn and winter frosts will not be recorded subsequent to the date on which the first killing frost occurs, except as specified in paragraph 124.

128. Frosts will be designated as "light," "heavy," or "killing." The term "light" signifies no destructive effect except to tender plants and vines; "heavy," a copious deposit of frost, but which does not kill the staple products of the locality, and "killing," frost that is destructive to vegetation and staple products.

129. The character of frost, whether light, heavy, or killing, must sometimes be determined by the phenomenon itself, rather than by its effect on vegetation and the staple crops, since the latter may have passed the stage where injury was possible.

## MONTHLY METEOROLOGICAL NOTES.

130. Page 12 will contain an account of important atmospheric phenomena, not easily susceptible of tabulation, occurring at or in the vicinity of the station. Events will be described after the manner of a narrative, covering the entire period of occurrence, whether consisting of a fraction of a day or of a number of days.

131. An annual index will be prepared on the printed form provided for that purpose and will be submitted with the December Form No. 1001. Subjects will be indexed by month and date.

132. The meteorological notes will be written with a typewriter and the writing should be single spaced. If necessary, an additional sheet will be inserted. A press copy will not be made.

133. In the reporting of meteorological phenomena too much care can not be exercised to make the account explicit and to state accurately the time of occurrence. Very often the omission of a single detail detracts materially from the value of the report.

134. In describing weather conditions and phenomena midnight will be understood to refer to the end of the day and will receive the date thereof. Twelve o'clock midnight and twelve o'clock noon will be written thus, respectively: 12 midnight; 12 noon. Night will be referred to thus: "Night of the 3d–4th," and will cover the time from dark to daylight.

135. At stations on the lakes and navigable rivers the opening and closing of navigation, together with the name of the first vessel to arrive and the last to depart, should be recorded.

136. Whenever a killing frost occurs the "Met'l Notes" will contain a statement of the kinds of vegetation killed, the degree of maturity at the time of the frost, the estimated percentage of loss, and any other facts that favored the formation of frost, or that tended to increase the injury.

137. Especial care should be taken to note the *dates* of the occurrence of the first and last frost of each character in *the annual index of the Monthly Meteorological Notes.* If the dates of the first and last killing frost can not be determined the first day with the minimum temperature of 32°, or lower, in the autumn, and the last day with 32°, or lower, in the spring, *when precipitation did not occur* while the temperature of 32°, or lower, obtained, will be recorded, with an explanatory note as to the probable cause of the absence of frost on those dates.

138. *a.* A tornado is a violent local storm, in connection with which is usually noted a well-defined, pendant, funnel-shaped cloud, with attendant rotary winds, often of sufficient violence to prostrate buildings and uproot trees and leaving unmistakable evidence of rotary winds.

*b.* Whenever a tornado occurs within a radius of 25 miles from the station the official in charge will make diligent effort to obtain an accurate description of all meteorological elements accompanying the tornado. In gathering and preparing the data relative to a tornado, information on the following points is desirable:

*c.* The path of the tornado, with the location of buildings destroyed and the distribution of the débris on either side of the storm track. This should be shown by a map.

*d.* The name of the place and the date and hour of occurrence. If the tornado passed near a town the distance, and direction from, should be noted.

*e.* The appearance of the cloud; glow and funnel-shape; the color of cloud; the meeting of clouds; lightning, and whether seen to issue from the funnel cloud.

*f.* Character and amount of precipitation, including hail; size of hail.

*g.* Nature of attendant noises.

*h.* Direction of motion of storm.

*i.* Presence of a whirl, either as seen in a cloud or as evidenced by the distribution of débris.

*j.* General direction in which trees or débris lay in the center line of greatest destruction, and on either side of this line.

*k.* Length of path and width at point of greatest destruction.

*l.* Number and names of persons killed.

139. Whenever damaging hail falls at or within 25 miles of the station, a report will be made in the "Met'l Notes," stating the size of the stones and the nature of the damage.

140. Various optical phenomena are constantly occurring in the atmosphere, and while they have no very important bearing upon the weather it is desirable to note their occurrence. Among these phenomena may be mentioned auroras; halos, solar and lunar; rainbows; coronas; parhelia; paraselenæ and mirages.

141. Auroral displays should be described, giving in all cases where practicable the time of beginning and ending and the altitude and azimuth of each extremity and of the crown of any arch of light that may be formed. Azimuths should be recorded as in astronomy, from the south point to the westward, passing successively through, west, north, and east points of the compass until the starting point is reached.

142. In counting the number of auroral displays, those occurring on parts of two successive days will be counted as single displays, but in counting the dates of auroras, when they extend past 12 midnight, both dates will be counted.

143. Whenever a meteor is seen the "illumination" left by it should be carefully noted, both as to its appearance and the direction in which it apparently floats.

## FORM No. 1002.

144. This form will be made out in duplicate at the end of the year on the current edition.

145. If the elevation of the anemometer, thermometer, or rain gage has been changed, that on December 31 must be given. The dates of changes and old elevations must be carefully recorded on the margin.

146. The sum of corrections and all changes in the same must be carefully noted under "Sum of barometer corrections," page 1, and the date and observation upon which it was first used.

147. When one or more observations have been missed, connect all data for less than a full month with a footnote, stating the length of time of the record.

148. The monthly mean pressure, dew-point, relative humidity, absolute range of pressure, and all other data, except as hereinafter provided for, will be taken from the summary of Form No. 1001 or the Climatological Record. The decimal in the case of the dew-point and relative humidity will be disposed of according to rule.

149. In the space for date of highest and lowest pressure and temperature for the year enter the month and day thereof, as "July 6." The mean daily range and mean daily change of temperature will be taken from the columns similarly headed on page 8, Form No. 1001.

150. The data to be entered in the columns headed " Total " and " Possible " will be taken from the sum of the columns similarly headed on page 4, Form No. 1001. The " Percentage " will be taken from the monthly percentage of " Total." Stations not supplied with a sunshine recorder will leave these columns blank.

151. At stations preparing page 13, the prevailing direction for the year will be determined by the direction having the greatest number of hours; at all other stations it will be determined from the sums of " Number of times observed blowing from the N., NE.," etc.

152. The mean hourly temperature and wind velocity will be taken from the mean values at the foot of pages 5 and 7, respectively, and the data for entry in columns headed " For the month " from the average hourly temperature and wind velocity, respectively. Data for less than one-half of a month will not be recorded, and in case the data for one or more months are missing the sums and means for the year will be omitted. All means will be obtained by dividing the sums of the respective columns by 12, and each mean will be recorded to the same number of decimal places as the data from which it is obtained are recorded.

153. Page 7, " Wind—number of miles and length of time from each direction," will be prepared at stations that tabulate these data.

## FORM No. 1003.

154. The data to be entered on Form No. 1003 will be an exact copy of those in columns similarly headed on Form No. 1002. One copy will be forwarded to the Central Office with Form No. 1002. A retained copy need not be kept.

## FORM No. 1014—DAILY LOCAL RECORD.

155. Time.—All entries will be on the standard of time in local use; this will be local mean time at the few places where such is in current use.

156. Enter against the heading " Temperature at the end of hour " the corrected thermograph readings, except whenever eye readings of the dry thermometer at exact hours are available they will be entered. The maximum and the minimum thermometer readings and the mean daily and normal temperatures will be entered on the right-hand side of the sheet, and these entries will correspond to those entered on page 8, Form No. 1001.

157. Under " State of weather " enter the nature of the precipitation, whether rain, hail, sleet, or snow, with the time of beginnings and endings. The character of precipitation may be indicated by a single letter; thus, for rain beginning at 9.15 a. m. the entry would be " R. B. 9.15 " in the column headed 9–10. The ending should be indicated in a similar manner in the proper hour column.

158. On the right-hand margin of the form, opposite the heading "Total depth of snow," etc., the total depth of snowfall for the twenty-four hours ending at the local standard time corresponding to 8 p. m., 75th meridian time, will be entered.

159. When necessary, additional data in regard to hail fall and sleet fall, and ground covering of hail, sleet, and ice will be entered.

160. The blank space on the form for the time will be filled up by entering the standard time in local use corresponding to 8 p. m., 75th meridian time. In the same manner the amount of snow on the ground at 8 p. m., 75th meridian time, will be entered.

161. In the spaces against the heading "Amount of precipitation " will be given the hourly amounts, when obtainable by self-register. Stations not supplied with self-registers will leave the spaces blank. On the right-hand margin space is provided for the entry of the total precipitation as measured at the 8 a. m. and 8 p. m. observations, 75th meridian time, except that the time will be given in the local standard in use at the station instead of 75th meridian.

162. The total precipitation, midnight to midnight, will also be entered in the space provided for it. At stations not provided with self-registers the amount will be estimated, and a note to that effect will be made.

163. In the spaces headed " Cloudiness and other conditions " the state of the weather will be indicated by the words " Clear," " Partly cloudy," " Cloudy," " Fog," etc., and the time that these conditions prevailed will be indicated by means of arrows and lines drawn through the hour spaces on both sides of the word and ending at the time when the conditions began and terminated. Moonlight should be observed and the standard astronomical symbol entered to indicate the phase of the moon on the date for the maximum of each phase. If the moon is obscured at intervals, either totally or partially, these facts should be noted. The " Character of the day " will be entered in the space provided for it.

164. The space headed " Sunshine " is intended to replace the entries which were formerly made on Form No. 1070, and the instructions which apply to page 4, Form No. 1001, will be followed in entering the data on this form.

165. In like manner the spaces for " Wind direction " and " Wind movement " will be prepared precisely as the similar columns on pages 6 and 7, Form No. 1001. The third space under wind, " Maximum velocities exceeding ..... miles," will contain a statement of the maximum hourly velocity and direction, together with the time the maximum occurred, as taken from Form No. 1017, or No. 1015, whenever the wind exceeds a certain limit. This limit will be fixed by officials in charge of stations. In general, maximum velocities below 25 miles will not be entered unless there is a demand for them at the station. Officials in charge will aim to enter only those maximum velocities which may be of importance to the public interests at the station.

166. Space has been provided for use in entering excessive precipitation data. Against the right-hand margin of this space relative humidity, reduced barometer, and river readings should be entered.

167. Copies of the barograph and thermograph traces, including the red-ink corrections entered on the original trace, will be made on the diagrams at the foot of the page.

168. The space provided for notes will be used whenever the instrumental readings do not clearly express the weather conditions of the day. Under this head a description should be given of all severe storms, cold waves, frosts, or any abnormal condition that may prevail, together with the time of receipt and the time of hoisting and lowering of warnings of all kinds. The Daily Local Record should contain a complete history of the weather of the day and be carefully verified. It will be retained at the station, and a copy will not be furnished to the Central Office. It should be made in record ink.

169. All special features will be indexed.

## FORMS No. 1015, No. 1017, AND No. 1028.

170. Enter in the lower right-hand corner of each sheet the meridian of time on which the record is made, as 75th meridian time, 90th meridian time.

171. Incomplete Records.—Observers will examine the registers each morning immediately upon arriving at the office to see whether or not they are working properly. If the anemometer is out of order a dial reading will be made at once and entered on the sheet, together with the time at which it was made.

172. Dial readings will also be made at each regular observation and at each noon during the incomplete record and when the record is started and entered on Form No. 1015 or No. 1017. The data will be interpolated when the loss of record is less than twenty-four hours. Short breaks in the record when the self-register fails to work may be estimated when the observer believes he can approximate what the record would have been. In all such cases an explanatory note will be entered on all forms where the data are used.

173. In case of loss of record for a period of twenty-four hours or more, blank sheets for the period containing the name of the station, dates, and such data as can be obtained will be prepared and forwarded with the regular monthly package.

174. Whenever the instrument has not been running on correct time a note should be made to indicate the true time of the record.

175. The total movement of the wind for each six hours and for the day will be entered on the left-hand margin in the proper spaces.

176. Current Velocity, How Obtained from Register.—To obtain the current velocity from the anemometer record, take the number of spaces and parts of spaces between the mile marks recorded in the five minutes preceding the moment considered and multiply the result by 12, except when the wind has blown at the rate of less than 12 miles an hour, when the velocity will be determined as shown by the second example below.

First example: Suppose the number of spaces indicating mile marks between 7.40 p. m. and 7.45 p. m., 75th meridian time, was $1\frac{1}{4}$, then the velocity of the wind to be recorded at the p. m. observation is $1\frac{1}{4}\times12=15$ miles per hour.

Second example: If the interval between the last two mile marks is seven minutes, then the current hourly velocity will be obtained by dividing 60 by $7=8\frac{4}{7}$ miles, recorded as 9 miles.

177. Maximum Velocity, How Obtained from Register.—The maximum velocity of wind will be obtained by considering the number of spaces and fractions thereof between the mile marks in the five minutes where the velocity is the greatest and multiplying the result by 12; the product will be the maximum velocity.

If the shortest space between two mile marks in the period covers more than five minutes of time, then the elapsed time for said space will be the basis of the calculation. Example: If the shortest space between two mile marks is thirteen minutes, then the maximum velocity is $60\div13=4.6$ miles per hour, which will be recorded on Form No. 1001 as 5 miles.

178. The extreme velocity each day (from midnight to midnight) will be ascertained with reference to the mile of wind recorded in the shortest time, thus: Find the two marks nearest each other on the anemometer sheet, calculate accurately the amount of time between these two marks (from beginning to beginning or from ending to ending), divide 60 by this amount, and the quotient will be the extreme velocity. Example: The space of time between two marks nearest each other is two minutes; $60\div2=30$, therefore 30 miles is the extreme velocity for the day.

When the maximum velocity is 12 miles per hour, or less, the extreme daily velocity for the same period of time should be the same; if more than 12 miles, the extreme velocity can be greater.

179. For convenience and accuracy in determining the velocity of the wind a scale has been prepared and furnished to each station with which the velocities may be read direct from Form No. 1017—Met'l without computation. This scale consists of a series of subdivisions equal in length to the intervals between the mile marks on the record sheet for all velocities from 5 to 39, and for every even mile from 40 to 78 miles per hour. To determine the velocity find the portion of the scale where the subdivisions correspond to the mile marks on the sheet. If the mile marks correspond with the smallest subdivisions, the velocity is shown by the first row of figures on the scale. If the mile marks correspond to 2, 4, or 8 of the subdivisions, the velocity is shown by the second, third, or fourth row of figures. When measuring maximum or current velocities for which a whole number of miles is not recorded in five minutes, it will be necessary to estimate the proportional part of a mile required to complete the five-minute period.

180. Maximum Velocities Entered on Wind Sheets.—The maximum wind velocity (for any five minutes) for the day, midnight to midnight, standard of time in local use, and the maximum velocity, when entered on pages 2 and 3, Form No. 1001—Met'l, will be entered in ink on Forms No. 1015 and No. 1017—Met'l immediately above the record as shown by the self-register. Care will be taken not to obliterate any record, and the word maximum will be abbreviated, thus: Max. 25.

181. Current Wind Velocity, How Obtained from Dial.—Make two readings of the outer dial with an interval of five minutes between them. The difference between these readings will be the distance, in miles and tenths, traveled by the wind in that interval. This, multiplied by 12, will give the indicated velocity in miles per hour. Example: Suppose the index of the anemometer to be at 3.4 on the outer dial when the first reading is taken and at 4.1 five minutes after, the difference, 0.7 mile, is the distance traveled in that time; and this, multiplied by 12 gives a velocity of 8.4 miles per hour.

182. The total movement by register for any period will be obtained by counting the number of marks in the period.

183. Wind Movement from 12 Noon to 12 Noon by Dial, How to Obtain.—Subtract the reading of the anemometer dial at 12 noon of the preceding day from the reading taken at 12 noon of the current day; the difference will be the total movement. When the reading of the anemometer is less than the reading of the preceding day, 990 miles will be added to it, and the remainder, after subtracting the reading of the preceding day, will be the total movement. Example: The dial reading of to-day is 91, and that of yesterday was 950, hence we have $91+990=1{,}081$; $1{,}081-950=131$, the total movement of the wind in miles from noon to noon.

184. Velocity of Wind, Estimated.—Whenever instruments are not available for directly measuring the wind velocity it will be estimated by reference to the following scale:

| Name. | Miles per hour. |
|---|---|
| Calm | 0 to 5. |
| Light | 6 to 15. |
| Moderate | 16 to 25. |
| Brisk | 26 to 35. |
| High | 36 to 50. |
| Gale | 51 to 65. |
| Hurricane | 66 or more |

185. Dial Readings.—The reading of the anemometer dial made at 12 noon on the first day of each month and at 12 noon each Monday during the month will be recorded on the sheet just taken from the register. Only actual dial readings will be recorded.

186. The accuracy of the anemometer record for each month may be verified at the end of the month as follows: Ascertain the total wind movement by register from 12 noon of the first day of the month in question to 12 noon of the first day of the succeeding month; add to this the dial reading of the first day of the month being verified and divide the sum by 990; the remainder should equal the dial reading on the first day of the succeeding month.

*Example.*

| | |
|---|---|
| Total movement, 12 midnight to 12 midnight | 3,283 |
| Less twelve hours preceding 12 noon of the first day of month | 70 |
| | 3,213 |
| 12 midnight to 12 noon of first of succeeding month | 22 |
| Dial reading on first day of month | 303 |
| | 990)3,538(3 |
| | 2,970 |
| Dial reading on first day of succeeding month | 568 |

187. Anemometers Changed.—When the anemometer is changed a note will be made on the lower margin of the anemometer record sheet, giving the date and the hour of the change and the dial reading of both old and new instruments. If changed at 12 noon both readings will be recorded on the sheet just taken from the register.

188. When an electric sunshine record is made the character of sunrise and sunset will be written, at the proper hours, on Form No. 1017.

189. When both sunshine and rain are recorded on the same sheet the portion representing rain will be clearly marked by brackets and such footnotes added as may be necessary to completely identify the records in case there is likely to be uncertainty.

190. Precipitation.—Whenever a station is equipped with a recording rain gage, that gage will be regarded as the station gage, and the measurements of the amounts of precipitation it collects will be the official measurements of the precipitation at the station.

191. Beginning and Ending of Precipitation.—The time of beginning and ending of precipitation will be recorded on the automatic record sheets (Forms No. 1017 and No. 1028) by direct and reverse check marks, thus (√) (∨), accompanied by the letters B and E, respectively, said check marks being placed at the points corresponding in time on the sheet to the observed time of beginning or ending of precipitation, standard of time in local use. Whenever the time of beginning or ending is doubtful the entry will be accompanied by a query mark (?). When the recording gage is not in use in the winter the check marks indicating beginnings and endings should be omitted. Any information that will aid in determining the hourly amounts and rates of rainfall, when imperfectly recorded, should be given.

192. The characters B. D. N. or E. D. N. will be used to denote the beginning and ending of precipitation during the night, when the time is not known.

193. Whenever it becomes necessary to remove the recording gage to prevent injury from freezing (see paragraph 29, Circular E, Instrument Division), a note will be entered on page 9, Form No. 1001, giving the dates it was removed and again exposed. Stick measurements of the amount of precipitation collected in the snow gage will be made as instructed in paragraphs 108 and 109.

194. The precipitation collected in the tipping-bucket gage will be drawn off at each regular observation, the contents measured by stick in the measuring tube, and the amount recorded on Forms No. 1001 and No. 1017.

195. When the amounts by register and stick measurements at an observation differ by 10 per cent or more, a brief explanation of the probable cause of the discrepancy should be noted on the form upon which the disagreement appears.

196. At stations using the weighing gage the amount of precipitation at the regular a. m. and p. m. observations will, in general, be determined from the record sheet; but, in case of failure of the instrument to properly record, the amount of precipitation will be found by adjusting the sliding weight on the gage until equilibrium is established. The amount of precipitation is then shown by the scale reading, which will be taken to the nearest hundredth only. If a satisfactory scale reading can not be made for any reason the contents of the gage will be emptied into and measured in the tube of the standard 8-inch gage. The recording gage should then be set in operation as soon as practicable.

197. Whenever the weighing gage is emptied at any hour other than noon, the time of precipitation and the amount measured will be entered at the foot of the form. When the sheet is removed the actual amount of precipitation will be entered in the space at the foot of the form, and the trace lines for each twelve hours will be dated at the beginning and ending of the line.

198. The hourly amounts of precipitation will be entered in red ink, near the middle of the hour period, on Form No. 1017 or No. 1028, whichever is used for obtaining the instrumental record; for example, the amount during the hour from 1 to 2 p. m. will be entered near the 1.30 p. m. line on the sheet. In case of precipitation only partly recorded the hourly amounts for the period during which the record was defective will be estimated, if sufficient data are available, otherwise they will be omitted.

199. The totals of the hourly precipitation must in every case equal the total precipitation by stick measurement.

200. In tabulating excessive precipitation data from Forms No. 1017 and No. 1028 for storms in which the rate of fall equals or exceeds the limits shown in the following table, the accumulated amounts for each successive interval of five, ten, fifteen minutes, etc., during which the precipitation continues at an excessive rate will be entered in the table provided for that purpose in the summary, Form No. 1001. Under head "Total duration" will be entered the beginning and ending of precipitation; under "Excessive rate" will be entered the time precipitation began to fall at an excessive rate and the time the precipitation fell below that rate. This, however, must

not be construed to mean that short periods during the progress of a storm where the rate falls temporarily below the excessive rate shall be excluded. When the rate falls below the lowest limit, 0.05 inch in five minutes, for a period of thirty minutes or more, the succeeding excessive precipitation will be tabulated separately. Under the heading "Accumulated depths of precipitation," etc., will be entered the accumulated amounts for the respective periods, all periods beginning at the same point of time, which should be identical with that given under "Excessive rate, began—." The tabulation will be continued so long as the excessive rate, as indicated above, continues. When the excessive rate extends beyond one hundred and twenty minutes the tabulation will be made for each fifty minutes separately so long as the excessive rate continues.

*Example.*

| Excessive rate. | | Amount before excessive began. | Accumulated depths during excessive rate for consecutive periods of time indicated below. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Began— | Ended— | | 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. |
| 7.01 a. m. | 7.51 a. m. | 2.66 | 0.08 | 0.25 | 0.38 | 0.52 | 0.77 | 0.88 | 0.92 | 1.28 | 1.42 | 1.80 |
| 7.51 a. m. | 8.41 a. m. | ..... | *2.05 | 2.24 | 2.42 | 2.61 | 2.82 | 2.86 | 2.91 | 2.94 | 3.10 | 3.30 |
| 8.41 a. m. | 9.31 a. m. | ..... | *3.53 | 3.61 | 3.78 | 3.92 | 4.19 | 4.29 | 4.35 | 4.45 | 4.64 | 4.70 |

* Continued from line above.

*Table showing limits at which precipitation may be considered as excessive.*

| Duration in minutes. | Depth of precipitation in inches. | Duration in minutes. | Depth of precipitation in inches. |
|---|---|---|---|
| 5 | 0.25 | 35 | 0.55 |
| 10 | 0.30 | 40 | 0.60 |
| 15 | 0.35 | 45 | 0.65 |
| 20 | 0.40 | 50 | 0.70 |
| 25 | 0.45 | 60 | 0.80 |
| 30 | 0.50 | | |

201. Storms in which the amount of fall does not equal that given above for any of the periods of time will not be tabulated.

202. In the case of the records from the tipping-bucket gage it must be remembered that in addition to accidental errors due to defective action of the recording mechanisms, there will also frequently be found a discrepancy between the recorded and measured amounts which is apt to increase with the rate of rainfall and varies slightly with different gages, and even with the same gage under different circumstances, as regards cleanliness, moisture, etc. The observer must, therefore, apportion the corrections with reference to different rates of rainfall, remembering that hours of heavy rainfall should receive greater corrections than hours in which the rainfall is at a slower rate.

203. In general, the method of apportionment illustrated in the following examples will be employed in correcting the automatic records for discrepancies referred to above.

204. Example 1.—The recorded amount of precipitation is 1.14 and the amount of stick measurement 1.23, showing a deficiency in the recorded amount of 0.09. This amount must be added to the record; that is, at the rate of 1 tip for each 12 tips recorded (1.14÷0.09=12; dropping all fractions).

205. Example 2.—The recorded amount is 0.86 and the measured amount 0.80, showing an excess in the recorded amount of 0.06. One tip must, therefore, be stricken out in each group of 14 recorded tips (0.86÷0.06=14).

206. In performing the divisions indicated in these examples the observer will always drop all fractions.

207. In many cases the exact point at which a tip is added or stricken out is not of great importance but, in general, these corrections should be made at those portions of the record showing a noticeably rapid rate.

208. The points at which tips are stricken out in accordance with the foregoing instructions will be indicated on the record sheet by a small cross-mark (×) in red ink, and the points where tips are added by a caret (∧) immediately underneath the point; such marks will not be used for any other purpose on the rain-gage record sheets.

209. Stick Measurements.—At noon after each precipitation the water in the weighing gage will be carefully poured into and measured in the measuring tube of the extra gage. If the gage is recording properly, and upon inspection or test is found to be properly balanced, no stick measurements will be made at the time of taking the observation, but the amount of precipitation will be read off from the scale on the gage and recorded on Form No. 1001. If the gage is not recording properly the amount at each observation will be ascertained by stick measurement, and these values entered on Forms No. 1028 and No. 1001 at each regular observation. Since this gage is generally not emptied at the time of taking an observation, it will rarely occur that the scale reading of the gage will directly give the twelve-hour rainfall called for on Form No. 1001. At the a. m. observation it will be necessary to deduct the scale reading at the last p. m. observation, and at the p. m. observation it will frequently be necessary to add to the scale reading a quantity representing the amount of precipitation that fell between the a. m. observation and the time the gage was emptied at midday. Observers are cautioned against errors in making these entries on Form No. 1001.

## RECORDS FROM BAROGRAPHS AND THERMOGRAPHS.

210. Sheets.—Barograph and thermograph sheets will each be clearly marked on the face of the sheet with the name of the station, time on which the records are made (as 75th meridian, 90th meridian, local time, etc.), and date, each day's record being dated as near the noon line for that day as practicable.

211. Clocks.—Every effort should be made to properly regulate the clocks to correctly keep time, winding them once a week, or oftener if necessary. The instruments should be inspected each day by the observer and properly adjusted by him when necessary. Whenever they are adjusted a marginal note, stating the fact, will be connected with the proper hour.

212. At the time of adjusting the barograph or thermograph pen, and when changing the record sheet, which will be at the exact hour, standard of time in local use, a reading of the station barometer (or dry thermometer) will be made and entered on the trace sheet. The corrections necessary to reduce the register to the standard at the time of changing the sheet and adjusting the pen, and for all regular and special observations, will be entered on the trace sheets in red ink. The barograph trace should be corrected to agree with the station pressure. When the pen is set higher or

lower there will be two corrections, one to apply to the preceding record and one to the following record. The correction to be used for other hours will be determined from the correction card by use of a pin or pins, as explained in paragraphs 216 to 219.

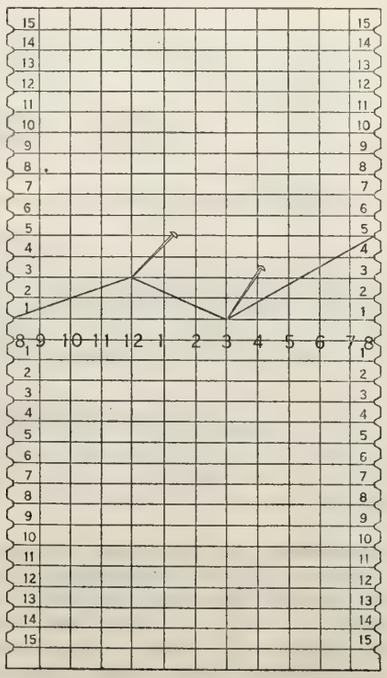
When the pressure or temperature at any particular station is such that the record might pass off the edge of the sheet or not be at all included in the rulings, observers will change the numbering of the lines by some convenient whole number and adjust the pen of the instrument accordingly.

213. Thermograph Time Error.—At the time of taking the a. m. observation the observer will carefully touch with a lead pencil the lever projecting from the thermograph bulb, so as to cause the pen to make a short vertical mark on the sheet. A note will be made on the first sheet for each month stating the time at which the pen is regularly touched. If it is touched more than five minutes from the regular time a note will be entered stating the exact time the mark was made.

214. Barograph Time Error.—The barograph pen should be touched at 12 noon, local standard time; if not touched within five minutes of that time a note will be entered giving the exact time the mark was made.

215. When the instrument is not running on correct time, this will be considered in taking off the data, so that it will be in true standard of time in local use.

216. Correction Card, How Used.—Ascertain the difference between the thermograph reading and the dry bulb thermometer reading at any regular observation under consideration; then set the rubber band on the card in a notch at the left-hand edge corresponding to this difference. If this difference, or correction, must be added to the thermograph reading to make it agree with the dry bulb reading, then the band must be set above the middle line, or, if the difference must be subtracted, set the band below. In a similar manner set the band in a notch at the right-hand edge of the card corresponding to the difference between the thermograph reading and the dry bulb thermometer reading at the next regular observation. The hours on the correction card should be renumbered to agree with the meridian of time in use.




Thermograph correction card.

217. The thermograph correction at any hour between the regular observations is the distance above or below the middle line of the point at which the band crosses that particular hour line.

*Example.*

Difference at first 8 o'clock observation: +2 (band above middle line).
Difference at next 8 o'clock observation: −3 (band below middle line).

*Hourly correction taken to the nearest unit.*

| 9 | 10 | 11 | 12 | 1 | 2 | 3 | 4 | 5 | | |
|---|---|---|---|---|---|---|---|---|---|---|
| +2 | +1 | +1 | 0 | 0 | 0 | −1 | −1 | −2 | −2 | −3 |

This card also will be used in a similar manner for correcting barograph readings.

218. Eye readings of the thermometer and barometer at exact hours, as provided for in paragraph 212, should be used to check and correct the corresponding recording instruments. If the correction at 12 o'clock, for example, was +3, and at 3 o'clock +1, then if pins be stuck in the card at these points the rubber band may be deflected in the manner shown in the figure, and a complete series of corrections for the twelve-hour period from 8 a. m. to 8 p. m., 75th meridian time, determined.

219. The readings of the maximum and minimum thermometers at 8 a. m. and at 8 p. m., 75th meridian time, should also be used in connection with the 8 a. m. and 8 p. m., 75th meridian time, and all other readings of the dry thermometer, in order to determine the corrections to be applied to the thermograph trace throughout the 24 hours.

220. These corrections will also be entered on the trace sheets and on the copy of the trace on Form 1014, and will not be accompanied by explanatory phrases such as " correction at time of max.," " correction at time of min.," " correction at 8 a. m.," etc., as these unnecessary entries confuse the records.

221. The corrections thus determined should also be entered in red ink on page 5, Form No. 1001, at the time the dry thermometer was read, or at the hour nearest the time of occurrence of the extremes, as shown by the trace sheet, giving the preference to the previous hour whenever there is uncertainty as to which hour is nearest the time of maximum or minimum, as the case may be.

222. When the maximum or minimum temperature occurs exactly at 8 a. m. or 8 p. m., 75th meridian time, the thermograph correction for that hour will be determined from the reading of the dry thermometer only.

## FORM No. 1030.

223. The mean temperature for the month will be obtained by dividing the sum of the mean maximum and mean minimum by 2 and will be entered at the foot of the column headed " Mean."

224. The pressure and precipitation will be recorded to hundredths; temperature to nearest whole degree, except in case of the monthly means at the foot of the first three columns, normal for this month, and the average daily excess or deficiency, which will be carried to tenths. The accumulated excess or deficiency since January 1 will be the same as that recorded on page 8, Form No. 1001.

225. The average daily excess or deficiency since January 1 will be obtained by dividing the accumulated amount on the date desired by the number of days since January 1, viz, if the accumulated excess on February 28 is 51, divide it by 59, the number of days since January 1, which gives +0.9 for the average daily excess.

226. When four copies or less are issued the form may be prepared by using carbon paper and a hard lead pencil. At stations possessing the necessary printing facilities the information may be published on blank sheets not larger than the standard form, or on cards not larger than one fold (one-fourth part) of the form; but no data called for by the standard form should be omitted, and the designation " Form No. 1030—Met'l " should appear at the top of the sheet or card and on the briefing fold of the sheet. A copy will be furnished each of the local papers and to such persons as are authorized; one copy will be forwarded to the Central Office also on the first day of the succeeding month.

227. When used for the Pacific Coast the average and excess or deficiency of precipitation will be computed from September 1.

228. A blank column has been provided for sunshine, snowfall, or such other data as may be desired.

229. The regular data called for on Form 1030—Met'l, will be prepared as formerly, but where special tables or other data involving time, as hourly values of temperature, precipitation, and the beginnings and endings of precipitation, etc., are published, they should appear in " local standard time " throughout the year.

## FORM No. 1083.

230. Form No. 1083 will be carried when taking an observation and the data entered immediately thereon.

Form No. 1001—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE,

## WEATHER BUREAU.

# ORIGINAL MONTHLY RECORD

## OF

# OBSERVATIONS

## AT

Fort Wayne, Ind.

## *For the Month of* January, 1923.

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.⊗

†No. of dry thermometer in use, ----; No. of wet thermometer in use, ----; No. of maximum thermometer in use, ----; No. of minimum thermometer in use, ----

†Elevation above ground of the dry thermometer, ---- feet; rain gage, ---- feet; anemometer, ---- feet.

If the office has been moved during the month, give date ----; amount of change in height of barometer, ---- feet (higher or lower).

No. of extra barometer, 675; sum of corrections, -.017; date and observation upon which use of station barometer commenced May 20, 1911 7:00 a. m., station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Corner of Berry & Calhoun street, room 911-912 Shoaff Building, first observation taken in present office, 7:00 a. m. May 20, 1911.

*Cancel words that are not appropriate. †To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months. 8—154

⊗ Not exposed during the month.

*ORIGINAL MONTHLY RECORD OF OBSERVATIONS at* [illegible], *for the Month of* [illegible], 192[illegible]

*Number of Station barometer,* 656; *sum of corrections,* −.009 *inch.*

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 A. M. [illegible] MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; [illegible] A. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-reg. ther's. Max. (b) | Self-reg. ther's. Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 a. m. (b) †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | | Initials of observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | |
| 1 | 67.5 | 29.096 | .111 | 28.985 | 29.93 | 25.3 | 23.3 | 19 | 75 | .098 | 30.2 | 25.3 | W | 13 | | | 0 | 0 | 0 | 0 | Clear | | [illegible] | 1 |
| 2 | 67.5 | 29.246 | .112 | 29.134 | 30.08 | 30.2 | 27.8 | 24 | 74 | .124 | 30.2 | 27.6 | E | 5 | | | 0 | 8 | ASt | SW | Cloudy | | [illegible] | 2 |
| 3 | 67.0 | 29.096 | .110 | 28.986 | 29.94 | 32.8 | 31.3 | 29 | 85 | .157 | 40.3 | 32.4 | W | 16 | | | T | 10 | St | W | Cloudy | | [illegible] | 3 |
| 4 | 70.0 | 29.200 | .118 | 29.082 | 30.03 | 28.0 | 26.4 | 24 | 84 | .124 | 29.4 | 24.2 | [illegible] | [illegible] | | | 0 | 10 | St Cu | SW | Cloudy | | [illegible] | 4 |
| 5 | 71.0 | 29.308 | .121 | 29.187 | 30.14 | 29.0 | 27.6 | 25 | 84 | .130 | 32.8 | 28.0 | W | 8 | | | .01 | 10 | St Cu | NW | Cloudy | | [illegible] | 5 |
| 6 | 71.5 | 29.180 | .122 | 29.058 | 30.02 | 23.6 | 21.5 | 5 | 57 | [illegible] | 28.6 | 23.6 | N | 14 | | | .34 | 8 | St Cu | N | Cloudy | | [illegible] | 6 |
| 7 | 68.0 | 29.100 | .112 | 28.988 | 29.95 | 21.9 | 19.9 | 15 | 72 | .081 | 22.4 | 19.6 | E | 7 | | | 0 | 10 | St | E | Cloudy | | [illegible] | 7 |
| 8 | 69.0 | 29.042 | .115 | 28.927 | 29.88 | 29.0 | 27.0 | 24 | 78 | .124 | 29.0 | 29.3 | W | 6 | | | .09 | 10 | St Cu | W | Cloudy | | [illegible] | 8 |
| 9 | 69.0 | 28.868 | .114 | 28.754 | 29.69 | 33.0 | 31.0 | 28 | 80 | [illegible] | 36.3 | 32.6 | NW | 16 | | | .02 | 10 | St Cu | NW | Cloudy | | [illegible] | 9 |
| 10 | 66.5 | 29.178 | .109 | 29.069 | 30.03 | 20.5 | 17.5 | 16 | 78 | .085 | 27.4 | 20.4 | W | 9 | | | I | 9 | St Cu | W | Cloudy | | [illegible] | 10 |
| 11 | 70.0 | 29.012 | .118 | 28.894 | 29.85 | 21.6 | 20.0 | 16 | 77 | .085 | 24.0 | 18.3 | SE | 12 | | | 0 | 6<br>2 | ASt<br>St | W<br>SE | Cloudy | | [illegible] | 11 |
| 12 | 66.5 | 29.126 | .109 | 29.017 | 29.97 | 24.4 | 22.4 | 18 | 74 | .093 | 36.2 | 24.4 | W | 12 | 26 | | 0 | 10 | St | W | Cloudy | | [illegible] | 12 |
| 13 | 70.0 | 29.622 | .119 | 29.503 | 30.47 | 20.0 | 19.4 | 18 | 91 | .093 | 23.6 | 18.6 | S | 9 | | | 0 | 0 | 0 | 0 | Clear | | [illegible] | 13 |
| 14 | 70.0 | 28.912 | .118 | 28.794 | 29.72 | 42.6 | [illegible] | [illegible] | 88 | [illegible] | 42.6 | 33.3 | SW | 16 | | | .22 | 10 | Nb | SW | Lt. Rain | | [illegible] | 14 |
| 15 | 68.0 | 29.144 | .113 | 29.031 | 30.03 | [illegible] | [illegible] | 28 | 74 | .150 | [illegible] | 32.2 | [illegible] | [illegible] | [illegible] | [illegible] | .01 | 10 | St | W | Cloudy | | [illegible] | 15 |
| 16 | 65.0 | 29.304 | .105 | 29.199 | 30.15 | 26.0 | 24.1 | 20 | 76 | .103 | 31.8 | 25.8 | NW | 18 | | | 0 | 9 | St Cu | NW | Cloudy | | [illegible] | 16 |
| 17 | 68.0 | 29.733 | .115 | 29.618 | 30.60 | 10.8 | 10.0 | 7 | 83 | .054 | 18.6 | 10.6 | SE | 6 | | | 0 | 3 | ASt | W | Clear | | [illegible] | 17 |
| 18 | 68.5 | 28.904 | .114 | 28.790 | 29.73 | 44.0 | 37.8 | 30 | 56 | .164 | 44.0 | 29.0 | SW | 21 | 32 | SW | 0 | 6<br>3 | ASt<br>St | NW<br>SW | Cloudy | | [illegible] | 18 |
| 19 | 68.5 | 29.586 | .115 | 29.471 | 30.43 | 22.5 | 20.0 | 14 | 66 | .077 | 39.3 | 22.5 | NW | 5 | | | 0 | 0 | 0 | 0 | Clear | | [illegible] | 19 |
| 20 | 74.0 | 29.184 | .129 | 29.055 | 30.01 | 38.0 | 34.0 | 28 | 67 | .150 | 38.0 | 29.0 | S | 13 | | | 0 | 10 | St Cu | S | Cloudy | | [illegible] | 20 |
| 21 | 71.5 | 29.228 | .122 | 29.106 | 30.06 | 28.4 | 26.9 | 24 | 82 | .124 | 41.5 | 28.0 | NW | 6 | | | .02 | 10 | St | NW | Cloudy | | [illegible] | 21 |
| 22 | 69.0 | 29.664 | .118 | 29.546 | 30.52 | 23.0 | 21.2 | 17 | 76 | .089 | 26.8 | 23.0 | NW | 8 | | | 0 | 0 | 0 | 0 | Clear | | [illegible] | 22 |
| 23 | 72.0 | 29.806 | .126 | 29.680 | 30.66 | 18.2 | 16.8 | 13 | 78 | .074 | 24.0 | 18.2 | E | 12 | | | 0 | 4 | ASt | W | Pt. Cloudy | | [illegible] | 23 |
| 24 | 69.0 | 29.133 | .116 | 29.017 | 28.97 | 34.3 | 33.8 | 33 | 93 | .187 | 34.3 | 28.2 | SW | 6 | | | .08 | 10 | Nb | SW | Lt. Snow | | [illegible] | 24 |
| 25 | 72.0 | 29.368 | .124 | 29.244 | 30.21 | 30.0 | 28.9 | 27 | 88 | .143 | 30.8 | 28.4 | [illegible] | [illegible] | | | 0 | 10 | St Cu | W | Cloudy | | [illegible] | 25 |
| 26 | 73.0 | 29.052 | .125 | 28.927 | 29.88 | 36.4 | 34.9 | 34 | 91 | .175 | 36.9 | 31.8 | SW | 8 | | | T | 10 | St | SW | Cloudy | | [illegible] | 26 |
| 27 | 72.5 | 29.082 | .124 | 28.958 | 29.91 | 34.8 | 29.3 | 29 | 90 | .157 | 36.1 | 29.6 | E | 16 | | | .28 | 10 | Nb | E | Lt. Snow | | [illegible] | 27 |
| 28 | 69.5 | 29.023 | .116 | 28.907 | 29.86 | 33.4 | 32.4 | 31 | 90 | .172 | 35.3 | 33.9 | W | 16 | | | .02 | 10 | St | W | Cloudy | | [illegible] | 28 |
| 29 | 67.5 | 29.526 | .113 | 29.413 | 30.38 | 22.2 | 21.2 | 19 | 86 | .078 | 26.8 | 22.8 | SW | 1 | | | 0 | 8 | St Cu | SW | Cloudy | | [illegible] | 29 |
| 30 | 69.0 | 29.579 | .117 | 29.462 | 30.42 | 24.8 | 23.0 | 20 | 77 | .103 | 30.8 | 24.8 | E | 13 | | | 0 | 6 | NSt | W | Pt. Cloudy | | [illegible] | 30 |
| 31 | 72.0 | 29.274 | .124 | 29.150 | 30.09 | 38.0 | 36.0 | 38 | 100 | .228 | 38.0 | 34.0 | SW | 6 | | | .01 | 10 | Nimbus | SW | Foggy | | [illegible] | 31 |
| Sums | | (a) | (a) | 903.002 | 932.59 | 876.3 | 821.8 | 723 | 2484 | 3.940 | (a) | (a) | (a) | 333 | (a) | (a) | 1.30 | 232 | (a) | (a) | (a) | | (a) | |
| Means | | (a) | (a) | 29.129 | 30.084 | 28.3 | 26.5 | 23.3 | 80.1 | .127 | (a) | (a) | (c) W | 10.7 | (a) | (a) | (a) | 7.5 | U AST<br>L St Cu. | U [illegible]<br>L W | (a) | | (a) | |

Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

U, upper clouds.

L, lower clouds.

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*ORIGINAL MONTHLY RECORD OF OBSERVATIONS at* Fort Wayne, Ind., *for the Month of* January, 192

*Number of Station barometer,* 656; *sum of corrections,* −.009 *inch.*

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7.32 P. M. [illegible] MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; [illegible] P. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station, (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-reg. ther's. Max. (b) | Self-reg. ther's. Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 p.m. (b) †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Fog, Mid. to Mid. (local standard time). Light. (f) | Fog, Mid. to Mid. (local standard time). Dense. (f) | Initials of observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | In. | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | | |
| 1 | 69.0 | 29.274 | .116 | 29.158 | 30.11 | 30.0 | 29.0 | 22 | 68 | .113 | 33.8 | 24.0 | W | 2 | | | 0 | 0 | 0 | 0 | Clear | | | | 1 |
| 2 | 71.0 | 29.063 | .120 | 28.943 | 29.89 | 40.0 | 39.0 | 38 | 92 | .228 | 40.0 | 30.2 | S | 5 | | | .04 | 10 | StCu | S | Cloudy | | | | 2 |
| 3 | 72.0 | 29.223 | .124 | 29.099 | 30.05 | 28.1 | 26.8 | 24 | 84 | .124 | 32.8 | 28.1 | NW | 11 | | | T | 10 | St | W | Cloudy | | | | 3 |
| 4 | 76.0 | 29.127 | .134 | 28.993 | 29.94 | 31.0 | 30.0 | 29 | 89 | .157 | 31.8 | 28.0 | S | 8 | | | .01 | 10 | Nb | S | Lt. Snow | | | | 4 |
| 5 | 76.0 | 29.240 | .134 | 29.106 | 30.06 | 28.6 | 26.2 | 22 | 73 | .113 | 32.0 | 28.6 | NE | 6 | | | 0 | 10 | St | NE | Cloudy | | | | 5 |
| 6 | 73.0 | 29.336 | .126 | 29.210 | 30.17 | 20.8 | 18.4 | 12 | 65 | .070 | 24.3 | 20.6 | E | 6 | | | 0 | 10 | St | E | Cloudy | | | | 6 |
| 7 | 67.5 | 28.828 | .110 | 28.718 | 29.67 | 29.0 | 28.5 | 28 | 94 | .150 | 30.0 | 21.9 | NE | 8 | | | .10 | 10 | Nb | NE | Lt. Snow | | | | 7 |
| 8 | 72.5 | 28.856 | .123 | 28.733 | 29.67 | 33.7 | 32.9 | 32 | 92 | .180 | 33.7 | 29.0 | S | 12 | | | .03 | 10 | St | S | Cloudy | | | | 8 |
| 9 | 71.0 | 29.145 | .121 | 29.024 | 29.97 | 27.4 | 26.1 | 24 | 84 | .124 | 33.7 | 27.4 | W | 17 | 25 | W | T | 10 | Nb | W | Lt. Snow | | | | 9 |
| 10 | 71.5 | 29.300 | .122 | 29.178 | 30.14 | 24.0 | 22.0 | 18 | 74 | .093 | 26.8 | 19.7 | N | 4 | | | T | 8 | Cu | NW | Cloudy | | | | 10 |
| 11 | 73.5 | 28.788 | .126 | 28.662 | 29.60 | 36.2 | 33.9 | 31 | 80 | .172 | 42.0 | 2.6 | [illegible] | [illegible] | | | 0 | 7 | Cu | W | Pt. Cloudy | | | | 11 |
| 12 | 69.5 | 29.481 | .118 | 29.363 | 30.33 | 23.0 | 21.0 | 16 | 73 | .085 | 34.6 | 21.8 | W | 6 | | | T | 8 | Cu | W | Cloudy | | | | 12 |
| 13 | 70.0 | 29.427 | .133 | 29.294 | 30.25 | 33.3 | 31.0 | 28 | 78 | .130 | 35.0 | 18.8 | SE | 6 | | | 0 | 10 | Cu | SE | Cloudy | | | | 13 |
| 14 | 67.0 | 28.968 | .115 | 28.853 | 29.79 | 33.4 | 31.4 | 28 | 80 | .150 | 42.6 | 33.4 | W | [illegible] | 29 | W | .10 | 10 | St | W | Cloudy | | | | 14 |
| 15 | 71.0 | 29.272 | .121 | 29.151 | 30.16 | 31.8 | 28.7 | 24 | 68 | .124 | 34.8 | 31.8 | W | 9 | 28 | [illegible] | 0 | 0 | 0 | 0 | Clear | | | | 15 |
| 16 | 71.0 | 29.633 | .123 | 29.510 | 30.48 | 18.6 | 16.8 | 12 | 72 | .070 | 28.7 | 18.6 | N | 15 | 29 | N | T | 7 | Cu | NW | Pt. Cloudy | | | | 16 |
| 17 | 75.0 | 29.250 | .132 | 29.118 | 30.08 | 29.0 | 26.5 | 22 | 72 | .113 | 29.0 | 10.8 | S | 17 | | | 0 | 10 | ASt | NW | Cloudy | | | | 17 |
| 18 | 72.0 | 29.292 | .124 | 29.168 | 30.11 | 39.3 | 34.8 | 28 | 64 | .150 | 49.8 | 39.3 | W | 15 | 38 | [illegible] | 0 | 4 | ASt | W | Pt. Cloudy | | | | 18 |
| 19 | 76.0 | 29.434 | .135 | 29.299 | 30.26 | 34.0 | 31.0 | 27 | 72 | .143 | 36.1 | 22.3 | E | 2 | | | 0 | 3 | ACu | NW | Clear | | | | 19 |
| 20 | 73.5 | 29.000 | .127 | 28.873 | [illegible] | 41.5 | 41.5 | 42 | 100 | .266 | 41.0 | 36.0 | [illegible] | | | | .22 | 10 | [illegible] | [illegible] | [illegible] | | | | 20 |
| 21 | 74.0 | 29.462 | .131 | 29.331 | 30.29 | 26.8 | 24.8 | 21 | 76 | .108 | 31.0 | 26.6 | NW | 7 | | | 0 | 0 | 0 | 0 | Clear | | | | 21 |
| 22 | 74.5 | 29.844 | .132 | 29.712 | 30.69 | 24.0 | 21.6 | 17 | 72 | .089 | 29.7 | 22.0 | NE | 7 | | | 0 | 0 | 0 | 0 | Clear | | | | 22 |
| 23 | 73.0 | 29.422 | .127 | 29.295 | 30.26 | 29.8 | 25.2 | 15 | 51 | [illegible] | 31.4 | 17.6 | E | 12 | | | 0 | 7 | [illegible] | [illegible] | [illegible] | | | | 23 |
| 24 | 74.0 | 29.230 | .129 | 29.101 | 30.05 | 30.8 | 30.4 | 30 | 96 | .164 | 34.3 | 30.8 | W | 5 | | | .08 | 4 | St | W | Pt. Cloudy | 8-9 P.M. | | | 24 |
| 25 | 76.0 | 29.212 | .134 | 29.078 | 30.03 | 32.3 | 30.8 | 28 | 85 | [illegible] | 35.1 | 29.6 | S | 12 | | | 0 | 10 | St-Cu | SW | Cloudy | | | | 25 |
| 26 | 77.0 | 29.153 | .137 | 29.016 | 29.97 | 36.1 | 33.1 | 34 | 79 | [illegible] | 39.4 | 35.9 | E | 8 | | | 0 | 10 | St | W | Cloudy | | | | 26 |
| 27 | 73.5 | 28.905 | .127 | 28.778 | 29.72 | 33.2 | 33.2 | 33 | 100 | .187 | 33.2 | 29.8 | E | 6 | | | .09 | 10 | Nb | E | Lt. Snow | 8-9 P.M. | | | 27 |
| 28 | 69.0 | 29.346 | .116 | 29.230 | 30.18 | 26.5 | 24.4 | 20 | 74 | .103 | 33.8 | 25.9 | NW | 5 | | | 0 | 10 | St-Cu | NW | Cloudy | | | | 28 |
| 29 | 71.5 | 29.592 | .123 | 29.469 | 30.44 | 30.8 | 27.3 | 21 | 63 | .106 | 36.9 | 22.2 | E | 7 | | | 0 | 7 | ASt | W | Pt. Cloudy | | 8-9:15 P.M.<br>E-9:20 P.M. | | 29 |
| 30 | 72.0 | 29.380 | .126 | 29.254 | 30.21 | 35.0 | 26.0 | 31 | 75 | .172 | 38.6 | 24.8 | SE | 8 | | | T | 10 | Nb | SE | Lt. Snow | | | | 30 |
| 31 | 74.6 | 29.235 | .130 | 29.105 | 30.04 | 41.0 | 41.0 | 41 | 100 | .266 | 41.0 | 28.0 | S | 3 | | | 0 | 10<br>10<br>3 | Nb<br>St<br>Cu-Sc | SE<br>S | Lt. Snow<br>Cloudy | 8-11:45 P.M.<br>E-midnight | S-1 A.M.<br>E-midnight | | 31 |
| Sums | (a) | (a) | | 902.822 | 932.36 | 902.0 | 902.5 | 798 | 2457 | 4388 | (a) | (a) | (a) | 288 | (a) | (a) | 0.69 | 235 | (a) | (a) | (a) | 3 | 2 | (a) | (a) |
| Means | (a) | (a) | | 29.123 | 30.076 | 31.0 | 29.1 | 25.7 | 79.3 | .142 | (a) | (a) | (c) W | 9.3 | (a) | (a) | (a) | 7.6 | U ASt L St | U Cu L W | (a) | (a) | (a) | (a) | (a) | (a) |

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

U, upper clouds. L, lower clouds.

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# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of January, 192

| Date. | TEMPERATURE. Maximum (b) | Minimum (b) | Range (b) | Change (b) | Mean (max. and min.) (b) | Normal | Departure | Total excess or deficiency since 1st of month | PRECIPITATION. Character ‡ | Beginning | Ending | Character ‡ | Beginning | Ending | Character ‡ | Beginning | Ending | Character ‡ | Beginning | Ending | Total (mid. to mid.) (b) †† | Normal | Departure | Total excess or deficiency since 1st of month | Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡ | Snow unmelted. 7 p.m. to 7 p.m. *‡‡ | Hail, sleet, and snow on ground at 7 p.m. *‡‡ | Amount of precipitation from melted snow (mid. to mid.) | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | | | | | | | | | | | | | | | | In. | | | | In. | In. | In. | In. | |
| 1 | 34 | 24 | 10 | 7 | 29 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 1 |
| 2 | 40 | 28 | 12 | 5 | 34 | | | | R | 10:30a | 11:40p | 19 | 8:40p | 8:55p | | | | | | | .04 | | | | 0 | 0 | 0 | 0 | 2 |
| 3 | 33 | 27 | 6 | 4 | 30 | | | | $S^m$ | 10:00a | 5:15p | | | | | | | | | | T | | | | 0 | T | T | T | 3 |
| 4 | 33 | 28 | 5 | 1 | 30 | | | | $S^m$ | 10:10a | DNP | | | | | | | | | | .02 | | | | 0 | 0.1 | 0.1 | .02 | 4 |
| 5 | 33 | 28 | 5 | 1 | 30 | | | | $S^m$ | 10:00p | Cont'd | | | | | | | | | | .20 | | | | 0 | 0.1 | T | .20 | 5 |
| 6 | 28 | 20 | 8 | 6 | 24 | | | | $S^m$ | Cont'd | 5:30a | | | | | | | | | | .34 | | | | 0 | 6.5 | 6.5 | .34 | 6 |
| 7 | 30 | 20 | 10 | | 25 | | | | $S^m$ | 12:06p | DNP | | | | | | | | | | .19 | | | | 0 | 1.2 | 7.0 | .19 | 7 |
| 8 | 35 | 28 | 7 | 7 | 32 | | | | R | 4:48p | 6:20p | | | | | | | | | | .05 | | | | 0 | 1.3 | 3.8 | 0 | 8 |
| 9 | 35 | 23 | 12 | 3 | 29 | | | | R | DNA | DNA | $S^m$ | 8:58a | DNP | | | | | | | .02 | | | | 0 | T | 5.0 | T | 9 |
| 10 | 27 | 20 | 7 | 6 | 24 | | | | $S^m$ | 12:44p | 1:58p | | | | | | | | | | T | | | | 0 | T | 4.7 | T | 10 |
| 11 | 42 | 18 | 24 | 6 | 30 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 3.8 | 0 | 11 |
| 12 | 32 | 22 | 10 | 3 | 27 | | | | $S^m$ | 9:20a | 2:18p | | | | | | | | | | T | | | | 0 | T | 3.6 | T | 12 |
| 13 | 36 | 18 | 18 | 4 | 28 | | | | $S^m$ | 8:00p | 9:55p | $S^l$ | 9:55p | 10:10p | R | 10:30p | Cont'd | | | | .08 | | | | 0 | 0 | 3.4 | T | 13 |
| 14 | 37 | 23 | 14 | 5 | 30 | | | | R | Cont'd | 12:15a | | | P.N.P. | | | | | | | .25 | | | | 0.2 | 1 | 3.1 | | 14 |
| 15 | 35 | 30 | 5 | 6 | 32 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 2.6 | 0 | 15 |
| 16 | 30 | 15 | 15 | 10 | 22 | | | | $S^m$ | 8:46a | 9:12a | $S^m$ | 10:27a | 12:10p | $S^m$ | 12:40p | 2:37p | | | | T | | | | 0 | T | 2.3 | T | 16 |
| 17 | 38 | 11 | 27 | 2 | 24 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 1.9 | 0 | 17 |
| 18 | 57 | 28 | 22 | 15 | 39 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0.4 | 0 | 18 |
| 19 | 36 | 22 | 14 | 13 | 29 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 19 |
| 20 | 43 | 29 | 14 | 7 | 36 | | | | R | 1:30p | 2:35p | | | | | | | | | | .24 | | | | 0 | 0 | 0 | 0 | 20 |
| 21 | 32 | 28 | 4 | 6 | 30 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 21 |
| 22 | 30 | 21 | 9 | 4 | 26 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 22 |
| 23 | 31 | 18 | 13 | 2 | 24 | | | | R | 7:05p | 11:00p | $S^m$ | 11:00p | Cont'd | | | | | | | .03 | | | | 0 | 0 | 0 | .01 | 23 |
| 24 | 34 | 28 | 6 | 7 | 31 | | | | $S^m$ | Cont'd | 7:10a | $S^m$ | 7:35a | 12:10p | | | | | | | .13 | | | | 0 | 1.1 | 0.5 | .13 | 24 |
| 25 | 35 | 30 | 5 | 1 | 32 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | T | 0 | 25 |
| 26 | 40 | 34 | 6 | 5 | 37 | | | | R | DNA | DNA | R | 7:30p | Cont'd | | | | | | | .11 | | | | 0 | 0 | 0 | 0 | 26 |
| 27 | 35 | 30 | 5 | 5 | 32 | | | | R | Cont'd | DNA | $S^m$ | DNA | 8:00a | | | | | | | .28 | | | | 0 | 1.7 | 0.5 | .17 | 27 |
| 28 | 36 | 24 | 12 | 2 | 30 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0.3 | 0 | 28 |
| 29 | 36 | 22 | 14 | 1 | 29 | | | | | | | | | | | | | | | | 0 | | | | 0 | T | 0.5 | 0 | 29 |
| 30 | 34 | 25 | 14 | 3 | 32 | | | | R | 4:30p | DNP | | | | | | | | | | .01 | | | | 0 | 0 | 0.3 | 0 | 30 |
| 31 | 41 | 34 | 7 | 6 | 38 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 31 |
| S | 1104 | 764 | 340 | 150 | 933 | | Total excess or deficiency since January 1, | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | 1.99 | | Total excess or deficiency since January 1, | | T | 12.0 | (a) | (a) | (a) | |
| M | 35.6 | 24.6 | 11.0 | 4.8 | 30.1 | (a) | | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | | | (a) | (a) | (a) | (a) | (a) | |

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, $S^l$—dry snow, $S^m$—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.



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# SUMMARY FOR THE MONTH OF January, 192?

The 8 a. m. and 8 p. m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

## PRESSURE.

(Correction to reduce to a 24-hour mean .005)

### STATION.

| Mean. 8 a. m. | Mean. 8 p. m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 29.129 | 29.123 | 29.126 | 29.750 | 22 | 28.510 | 11 | 1.240 |
| Corrected mean | | 29.121 | | | | | |

### REDUCED.

| Mean. 8 a. m. | Mean. 8 p. m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 30.084 | 30.076 | 30.080 | 30.73 | 22 | 29.44 | 11 | 1.29 |
| Corrected mean | | 30.075 | | | | | |

## TEMPERATURE.

### MEAN.

| Dry. 8 a. m. | Dry. 8 p. m. | Dry. (8+8)÷2 (g) | Wet. 8 a. m. | Wet. 8 p. m. | Wet. Monthly. (g) | Max. | Min. | Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 28.3 | 31.0 | 29.6 | 26.5 | 29.1 | 27.8 | 35.6 | 24.6 | 30.1 |

| Highest. (i) | Date. (i) | Lowest. (i) | Date. (i) | Absolute range. | Greatest daily range. (i) | Date. (i) | Least daily range. (i) | Date. (i) |
|---|---|---|---|---|---|---|---|---|
| 50 | 18 | 11 | 17 | 39 | 27 | 17 | 5 | 15 |

| Dew-point. 8 a. m. | Dew-point. 8 p. m. | Dew-point. Monthly. (g) | Relative Humidity. 8 a. m. | Relative Humidity. 8 p. m. | Relative Humidity. Monthly. (g) | Vapor Pressure. 8 a. m. | Vapor Pressure. 8 p. m. | Vapor Pressure. Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 23.3 | 25.7 | 24.5 | 80.1 | 79.3 | 79.7 | .127 | .142 | .134 |

NUMBER OF DAYS WITH—(j)

| Maximum. 32° or below. | Maximum. 90° or above. | Minimum. 32° or below. | Minimum. Zero or below. |
|---|---|---|---|
| 7 | 0 | 28 | 0 |

CLOUDS.

Most frequent clouds St.

Most frequent direction upper clouds W

Most frequent direction lower clouds W

## WIND.

| Total movement (mid. to mid.). | Average hourly velocity. | Prevailing direction. (p) | Maximum velocity. (r) | Direction. (r) | Date. (r) |
|---|---|---|---|---|---|
| 7900 | 10.6 | W | 38 | SW. | 18 |

NUMBER OF TIMES WIND OBSERVED FROM THE—

| N. | NE. | E. | SE. | S. | SW. | W. | NW. | Calm. |
|---|---|---|---|---|---|---|---|---|
| 3 | 4 | 10 | 4 | 8 | 8 | 16 | 9 | 0 |

## WEATHER.

| Mean Cloudiness. 8 a. m. | 8 p. m. | Monthly. (t) | Sunshine. Percentage of possible. | Number of Days. Clear. | Partly cloudy. | Cloudy. | Number of Days with Precipitation (Mid. to Mid.). Clear. (u) | Partly cloudy. (u) | Cloudy. (u) |
|---|---|---|---|---|---|---|---|---|---|
| 7.5 | 7.6 | 8.0 | 23 | 2 | 8 | 21 | 0 | 3 | 12 |

(6)

## MISCELLANEOUS PHENOMENA.

DATES OF—(MIDNIGHT TO MIDNIGHT).

| Frosts. Light. | Frosts. Heavy. | Frosts. Killing. | Thunderstorms. (v) | Winds. (40 miles or over.) | Solar Halos. | Lunar Halos. | Fog. Light. | Fog. Dense. | Haze. Light. | Haze. Dense. | Smoke. Light. | Smoke. Dense. | Hail. | Aurora. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| — | — | — | 0 | 0 | 29 | 1 | 24, 27.31 | 29.31 | 0 | 0 | 0 | 0 | 0 | 0 |

## PRECIPITATION (in inches and hundredths). (m)

| Total amount. | Greatest amount in 24 consecutive hours. Amt. | Date. (k) | Excessive. 2.50 inches in 24 hours. (l) * Amt. | Duration. h. m. | Date. (k) | 1 inch per hour. (l) Amt. | Duration. h. m. | Date. (k) |
|---|---|---|---|---|---|---|---|---|
| 1.99 | 0.54 | 5-6 | 0 | | | 0 | | |

NUMBER OF DAYS WITH—(Mid. to Mid.).

| Trace. | .01 or more. | .04 or more. | .25 or more. | 1.00 or more. | Total. | Snow. Trace or more. | Snow. .01 or more melted. |
|---|---|---|---|---|---|---|---|
| 4 | 15 | 11 | 3 | 0 | 19 | 13 | 7 |

| Snow. Total Depth. (o) | Snow. Average Depth at End of Month. |
|---|---|
| 12.0 | 0 |

(w) Maximum precipitation in 5 minutes —, date —; 10 minutes —, date —; 15 minutes —, date —;

30 minutes —, date —; 1 hour —, date —; 2 hours —, date —.

## EXCESSIVE.

| Date. | Total Duration. From— | Total Duration. To— | Total amount of precipitation. | Excessive Rate. Began— | Excessive Rate. Ended— | Amt. before excessive began. |
|---|---|---|---|---|---|---|

Accumulated Depths During Excessive Rate for Consecutive Periods of Time Indicated Below.

| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

Automatic rain gage not operated during the month.

* The duration is the time precipitation was actually recorded.

8—154

Prepared by [illegible] T. A. Schuck, Observer, U. S. Weather Bureau.

*ORIGINAL MONTHLY RECORD OF OBSERVATIONS at* [illegible], *for the Month of* [illegible], 192[illegible]

*Number of Station barometer,* 656; *sum of corrections,* -.009 *inch.*

SPECIAL OBSERVATIONS.

| Date. | Time. 75th mer. | Time. Local (standard). | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) | Barometer. Reduced to sea-level. | Thermometers. Dry. | Thermometers. Wet. | Dew-point. | Depression of the dew-point. | Relative humidity. | Maximum thermometer. | Wind. Direction. | Wind. Velocity. † | Wind. Max. since last observation. | Wind. Direction. | Precipitation. †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Special Phenomena. | Initials of Observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5" | 12 00 Noon | 11 00 a.m. | 75.0 | 29.350 | .132 | 29.218 | 30.17 | 29.2 | 29.4 | 25 | 4 | 80 | 29.2 | W | 5 | | | 0 | 10 | St | W | Cloudy | Nearest of Change Register of Falling Pressure | [illegible] | 6" |
| 6" | 12 00 Noon | 11 00 a.m. | 75.0 | 29.263 | .132 | 29.131 | 30.09 | [illegible] | [illegible] | 18 | 6 | 57 | [illegible] | [illegible] | [illegible] | | | 0 | 8 | Cu | N | Cloudy | | [illegible] | |
| 11" | 1 00 p.m. | 12 00 Noon | 74.0 | 28.717 | .132 | 28.585 | 29.52 | 36.2 | 33.0 | 28 | 8 | 72 | 30.2 | SE | 3 | | | 0 | 4 | Cu | S | Pt. Cloudy | | [illegible] | |

Extremes of Pressure

HIGHEST.

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22" | 11 00 PM | 10 00 pm | | | | 29.750 | 30.73 | 23.0 | | | | | | | | | | | | | | | | | 22d |

LOWEST.

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11" | 3 30 PM. | 2 30 pm | | | | 28.510 | 29.44 | 41.0 | | | | | | | | | | | | | | | | | 11" |

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of JAN - 1923, 192

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

| DATE. | N. | | NE. | | E. | | SE. | | S. | | SW. | | W. | | NW. | | CALM. | | TOTAL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. |
| 1 | | | | | | | 10 | 3 | 4 | 2 | 8 | 1 | 177 | 18 | | | | | 199 | 24 |
| 2 | | | | | 25 | 4 | 66 | 9 | 38 | 4 | 91 | 7 | | | | | | | 220 | 24 |
| 3 | | | | | | | | | | | 59 | 4 | 130 | 10 | 91 | 10 | | | 280 | 24 |
| 4 | | | | | | | | | 114 | 12 | 49 | 6 | 58 | 5 | 4 | 1 | | | 225 | 24 |
| 5 | | | 88 | 8 | 7 | 1 | | | | | | | 105 | 11 | 36 | 4 | | | 236 | 24 |
| 6 | 34 | 2 | 169 | 11 | 101 | 11 | | | | | | | | | | | | | 304 | 24 |
| 7 | 11 | 2 | 30 | 4 | 132 | 17 | 4 | 1 | | | | | | | | | | | 177 | 24 |
| 8 | | | | | | | 10 | 1 | 69 | 7 | 96 | 9 | 6 | 1 | 52 | 6 | | | 233 | 24 |
| 9 | | | | | | | | | | | 11 | 1 | 205 | 13 | 178 | 10 | | | 394 | 24 |
| 10 | 4 | 1 | 2 | 1 | | | 3 | 1 | | | | | 127 | 12 | 71 | 9 | | | 207 | 24 |
| 11 | | | | | | | 81 | 11 | 18 | 3 | 55 | 4 | 112 | 6 | | | | | 266 | 24 |
| 12 | | | | | | | | | | | 58 | 6 | 253 | 17 | 18 | 1 | | | 329 | 24 |
| 13 | | | | | | | 92 | 14 | 50 | 6 | 12 | 4 | | | | | | | 154 | 24 |
| 14 | | | | | | | 11 | 2 | 9 | 1 | 131 | 9 | 261 | 12 | | | | | 412 | 24 |
| 15 | | | | | | | | | | | 49 | 3 | 283 | 17 | 80 | 4 | | | 412 | 24 |
| 16 | 95 | 7 | | | | | | | | | | | 43 | 3 | 251 | 14 | | | 389 | 24 |
| 17 | 4 | 1 | 19 | 4 | | | 29 | 5 | 210 | 13 | 24 | 1 | | | | | | | 286 | 24 |
| 18 | | | | | | | | | | | 322 | 13 | 101 | 6 | 74 | 5 | | | 497 | 24 |
| 19 | | | | | 11 | 3 | 18 | 5 | 47 | 7 | | | | | 55 | 9 | | | 131 | 24 |
| 20 | | | | | 6 | 1 | 23 | 4 | 82 | 7 | 83 | 8 | 27 | 3 | 11 | 1 | | | 232 | 24 |
| 21 | | | | | | | | | | | 8 | 1 | 5 | 1 | 193 | 22 | | | 206 | 24 |
| 22 | 18 | 2 | 18 | 3 | 14 | 3 | | | | | 16 | 2 | 15 | 2 | 149 | 12 | | | 230 | 24 |
| 23 | | | | | 248 | 20 | 26 | 4 | | | | | | | | | | | 274 | 24 |
| 24 | | | | | | | 10 | 2 | 20 | 3 | 48 | 6 | 95 | 10 | 34 | 3 | | | 207 | 24 |
| 25 | | | | | | | | | 102 | 11 | 29 | 3 | 43 | 7 | 12 | 3 | | | 186 | 24 |
| 26 | 5 | 1 | 35 | 5 | 45 | 6 | | | 36 | 4 | 58 | 8 | | | | | | | 179 | 24 |
| 27 | | | 3 | 1 | 247 | 20 | 2 | 1 | | | | | 12 | 2 | | | | | 264 | 24 |
| 28 | | | | | | | | | | | 11 | 2 | 279 | 20 | 17 | 2 | | | 307 | 24 |
| 29 | | | | | 58 | 7 | 8 | 2 | 29 | 6 | 16 | 7 | 7 | 2 | | | | | 118 | 24 |
| 30 | | | | | 204 | 20 | 18 | 4 | | | | | | | | | | | 222 | 24 |
| 31 | | | 5 | 1 | | | 13 | 4 | 21 | 6 | 85 | 13 | | | | | | | 124 | 24 |
| Sum. | 171 | 16 | 369 | 38 | 1098 | 113 | 424 | 73 | 849 | 92 | 1319 | 118 | 2344 | 178 | 1326 | 116 | 0 | 0 | 7900 | 744 |
| Percentage | 2 | 2 | 5 | 5 | 14 | 15 | 5 | 10 | 11 | 12 | 17 | 16 | 30 | 24 | 17 | 16 | 0 | 0 | a | a |
| Avg. Hourly Velocity | 10.7 | a | 9.7 | a | 9.7 | a | 5.8 | a | 9.2 | a | 11.2 | a | 13.2 | a | 11.4 | a | 0 | a | 10.6 | a |

8—154

Form No. 1001—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE,

## WEATHER BUREAU.

# ORIGINAL MONTHLY RECORD

## OF

# OBSERVATIONS

## AT

Fort Wayne, Ind.

## *For the Month of* February, 1923

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, ----; No. of wet thermometer in use, ----; No. of maximum thermometer in use, ----; No. of minimum thermometer in use, ----

†Elevation above ground of the dry thermometer, ---- feet; rain gage, ---- feet; anemometer, ---- feet.

If the office has been moved during the month, give date ----; amount of change in height of barometer, ---- feet (higher or lower).

No. of extra barometer, 675; sum of corrections, -.017; date and observation upon which use of station barometer commenced, May 20, 1911 7:00 a. m., station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Corner of Berry & Calhoun streets, room 911-912 Shoaff Building; first observation taken in present office, 7:00 a. m. May 20, 1911.

*Cancel words that are not appropriate. †To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months. 8—154

*ORIGINAL MONTHLY RECORD OF OBSERVATIONS at* Fort Wayne, Ind., *for the Month of* February, 192?

*Number of Station barometer,* 6556; *sum of corrections,* −.009 *inch.*

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 A. M. 90TH MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:15 A. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-reg. ther's. Max. (b) | Self-reg. ther's. Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 a. m. (b) †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | | Initials of observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | |
| 1 | 73.5 | 29.110 | .127 | 28.983 | 29.92 | 39.8 | 34.8 | 40 | 100 | .240 | [illegible] | 35.7 | SE | 5 | | | 0 | 10 4 | St Lt Fog | SE SE | Cloudy | | [illegible] | 1 |
| 2 | 71.5 | 29.109 | .121 | 28.988 | 29.93 | 32.0 | 31.0 | 30 | 90 | .164 | 34.0 | 31.7 | E | 5 | | | T | 10 | St Cu | SE | Cloudy | | [illegible] | 2 |
| 3 | 66.0 | 29.225 | .108 | 29.117 | 30.07 | 21.0 | 19.7 | 17 | 81 | .089 | 39.2 | 21.0 | NW | [illegible] | 29 | NW | .01 | 10 | Nb | NW | Lt. Snow | | [illegible] | 3 |
| 4 | 66.0 | 29.670 | .109 | 29.561 | 30.56 | 0.8 | 0.0 | −4 | 75 | .031 | 7.8 | 0.8 | NW | 7 | | | 0 | 4 | A St | W | Pt. Cloudy | | [illegible] | 4 |
| 5 | 73.0 | 29.624 | .127 | 29.497 | 30.48 | 6.2 | 6.4 | 1 | 80 | .040 | 9.1 | 6.0 | W | 4 | | | 0 | 3 | A St | W | Clear | | [illegible] | 5 |
| 6 | 70.0 | 29.513 | .119 | 29.394 | 30.36 | 17.0 | 16.0 | 13 | 84 | .074 | 20.9 | 10.8 | E | 13 | | | T | 10 | St | E | Lt. Snow | | [illegible] | 6 |
| 7 | 72.5 | 29.393 | .126 | 29.267 | 30.24 | 20.8 | 20.0 | 18 | 89 | .093 | 20.8 | 14.6 | SE | 7 | | | T | 10 | Nb | S | Lt. Snow | | [illegible] | 7 |
| 8 | 68.0 | 29.173 | .113 | 29.060 | 30.01 | 30.2 | 28.0 | 24 | 76 | .124 | 30.2 | 22.0 | SW | 16 | | | 0 | 5 | A St | NW | Pt. Cloudy | | [illegible] | 8 |
| 9 | 68.0 | 29.323 | .113 | 29.210 | 30.17 | 20.0 | 18.8 | 16 | 82 | .085 | 34.6 | 20.0 | N | 6 | | | T | 10 | Nb | N | Lt. Snow | | [illegible] | 9 |
| 10 | 71.5 | 29.381 | .123 | 29.258 | 30.23 | 16.6 | 15.4 | 12 | 80 | [illegible] | 22.4 | 15.4 | NE | 2 | | | .07 | 5 | A Cu | NW | Pt. Cloudy | | [illegible] | 10 |
| 11 | 72.5 | 29.500 | .126 | 29.374 | 30.34 | 22.5 | 21.5 | 20 | 86 | .103 | 24.6 | 18.8 | W | 3 | | | T | 3 | Cu | W | Clear | | [illegible] | 11 |
| 12 | 68.0 | 29.336 | .113 | 29.223 | 30.18 | 19.0 | 18.2 | 16 | 88 | .085 | 25.8 | 17.0 | E | 7 | | | 0 | 8 | A St | W | Cloudy | | [illegible] | 12 |
| 13 | 70.0 | 28.917 | .118 | 28.799 | 29.73 | 36.0 | 35.3 | 35 | 93 | [illegible] | 40.0 | 35.0 | SW | 3 | | | .01 | 10 8 | St Lt Fog | SW SW | Cloudy | | [illegible] | 13 |
| 14 | 58.0 | 29.483 | .087 | 29.396 | 30.37 | 8.6 | [illegible] | −6 | 46 | .028 | 37.8 | 8.6 | W | 33 | | | T | 0 | 0 | 0 | Clear | | [illegible] | 14 |
| 15 | 56.0 | 29.755 | .083 | 29.672 | 30.68 | 1.2 | 0.3 | −5 | 72 | [illegible] | 6.4 | 1.2 | W | 19 | [illegible] | | 0 | 0 | 0 | 0 | Clear | | [illegible] | 15 |
| 16 | 58.0 | 29.486 | .087 | 29.399 | 30.38 | 4.6 | 4.0 | 1 | 84 | .040 | 10.6 | 4.6 | W | 14 | | | 0 | 1 | Cu | W | Clear | | [illegible] | 16 |
| 17 | 63.0 | 29.141 | .100 | 29.041 | 30.01 | 9.0 | 8.4 | 6 | 86 | .052 | 15.0 | 9.0 | W | 13 | | | T | 10 | Nb | W | Lt. Snow | | [illegible] | 17 |
| 18 | 67.5 | 29.020 | .113 | 29.907 | 30.39 | 12.0 | 11.6 | 10 | 92 | .063 | 12.0 | 4.1 | W | 13 | | | T | 10 | Nb | W | Lt. Snow | | [illegible] | 18 |
| 19 | 66.0 | 29.385 | .104 | 29.276 | 30.26 | 7.8 | 8.9 | 5 | 87 | .049 | 16.2 | 8.6 | SW | 7 | | | 0 | 8 | A St | W | Cloudy | | [illegible] | 19 |
| 20 | 68.5 | 29.231 | .114 | 29.117 | 30.08 | 24.4 | 23.6 | 22 | 90 | .113 | 27.0 | 23.0 | NW | 5 | | | .12 | 10 | St | NW | Cloudy | | [illegible] | 20 |
| 21 | 72.0 | 29.450 | .125 | 29.330 | 30.29 | 21.8 | 21.0 | 19 | 89 | .098 | 29.4 | 16.9 | SW | 9 | | | 0 | 10 | St Cu | SW | Cloudy | | [illegible] | 21 |
| 22 | 67.5 | 29.475 | .113 | 29.362 | 30.33 | 23.8 | 22.8 | 21 | 87 | .108 | 30.2 | 23.8 | W | 13 | | | T | 10 | Nb | W | Lt. Snow | | [illegible] | 22 |
| 23 | 66.0 | 29.667 | .107 | 29.560 | 30.54 | 17.9 | 17.0 | 14 | 86 | .077 | 21.6 | 16.7 | NW | 8 | | | .01 | 10 | Nb | N | Lt. Snow | | [illegible] | 23 |
| 24 | 68.0 | 29.449 | .114 | 29.335 | 30.31 | 20.0 | 18.2 | 13 | 73 | .074 | 20.0 | 12.0 | S | 17 | | | 0 | 10 | St | S | Cloudy | | [illegible] | 24 |
| 25 | 69.0 | 29.245 | .116 | 29.129 | 30.08 | 35.2 | 34.7 | 34 | 95 | .195 | 36.2 | 31.2 | SW | 5 | | | 0 | 10 | St | SW | Cloudy | | [illegible] | 25 |
| 26 | 71.0 | 29.136 | .121 | 29.015 | 29.96 | 39.0 | 39.0 | 39 | 100 | .237 | 40.2 | 37.5 | SW | [illegible] | | | .03 | 10 5 | St Lt Fog | SW SW | Cloudy | | [illegible] | 26 |
| 27 | 72.5 | 29.238 | .125 | 29.108 | 30.06 | 31.0 | 30.0 | 29 | 89 | .157 | 38.0 | 31.0 | NE | 11 | | | T | 10 | St | NE | Cloudy | | [illegible] | 27 |
| 28 | 72.5 | 29.203 | .125 | 29.078 | 30.03 | 30.0 | 28.1 | 25 | 79 | .130 | 33.0 | 29.5 | SW | 9 | | | T | 9 | St Cu | SW | Cloudy | | [illegible] | 28 |
| 29 | | | | | | | | | | | | | | | | | | | | | | | | 29 |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | 30 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | 31 |
| Sums | (a) | (a) | | 818.961 | 846.00 | 570.2 | 542.9 | 466 | 2355 | 2.858 | (a) | (a) | (a) | 285 | (a) | (a) | 0.25 | 216 | (a) | (a) | (a) | | (a) | (a) |
| Means | (a) | (a) | | 29.249 | 30.214 | 20.4 | 19.4 | 16.6 | 84.0 | .102 | (a) | (a) | (c) W | 10.2 | (a) | (a) | (a) | 7.7 | U a. St L St. | U W L SW | (a) | | (a) | (a) |

Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

U, upper clouds. L, lower clouds.

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*ORIGINAL MONTHLY RECORD OF OBSERVATIONS at* Fort Wayne, Ind., *for the Month of* [illegible], 192[illegible]

*Number of Station barometer,* 656; *sum of corrections,* −.002 *inch.*

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:40 P. M. [illegible] MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; [illegible] P. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-reg. ther's. Max. (b) | Self-reg. ther's. Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 p. m. (b) †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Fog, Mid. to Mid. (local standard time). Light. (f) | Fog, Mid. to Mid. (local standard time). Dense. (f) | Initials of observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | | |
| 1 | 75.0 | 29.185 | .132 | 29.053 | 30.00 | 34.0 | 33.5 | 33 | 95 | .187 | 43.1 | 34.0 | NW | 12 | | | .01 | 10 | St | NW | Cloudy | B-Cont'd E-11:32a | | | 1 |
| 2 | 73.0 | 28.862 | .124 | 28.738 | 29.68 | 39.2 | 39.2 | 39 | 100 | .237 | 41.3 | 32.0 | W | 13 | | | T | 10 | Nb | W | Lt. Rain | B-4:20p E-6:16p | | | 2 |
| 3 | 71.0 | 29.549 | .122 | 29.427 | 30.41 | 7.8 | 5.8 | −4 | 54 | .031 | 21.0 | 7.8 | NW | 13 | | | T | 5 | Cu | W | Pt. Cloudy | | | | 3 |
| 4 | 76.0 | 29.627 | .136 | 29.491 | 30.48 | 9.1 | 8.1 | 4 | 78 | .047 | 12.2 | 0.6 | SW | 10 | | | 0 | 6 | A St | W | Pt. Cloudy | | | | 4 |
| 5 | 74.5 | 29.592 | .131 | 29.461 | 30.44 | 20.9 | 18.9 | 14 | 71 | .077 | 24.8 | 6.2 | E | 7 | | | 0 | 0 | 0 | 0 | Clear | | | | 5 |
| 6 | 75.0 | 29.476 | .133 | 29.343 | 30.32 | 18.6 | 15.0 | 14 | 90 | .077 | 19.8 | 15.2 | E | 7 | | | .08 | 4 | St Cu | E | Pt. Cloudy | | | | 6 |
| 7 | 74.3 | 29.360 | .129 | 29.231 | 30.19 | 25.0 | 24.0 | 22 | 87 | .113 | 28.8 | 20.8 | SW | 8 | | | .02 | 9 | St Cu | SW | Cloudy | | | | 7 |
| 8 | 71.0 | 29.230 | .121 | 29.109 | 30.06 | 34.6 | 32.0 | 28 | 76 | .150 | 38.9 | 29.9 | W | 13 | 27 | SW | 0 | 10 | St | W | Cloudy | | | | 8 |
| 9 | 73.5 | 29.230 | .128 | 29.102 | [illegible] | 21.8 | 20.3 | 17 | 79 | .084 | 24.7 | 19.6 | [illegible] | [illegible] | | | .01 | 10 | Nb | NE | Lt. Snow | | | | 9 |
| 10 | 74.0 | 29.386 | .130 | 29.256 | 30.23 | 24.6 | 22.6 | 17 | 72 | .098 | 26.7 | 14.8 | [illegible] | [illegible] | | | 0 | 8 | St Cu | E | Cloudy | | | | 10 |
| 11 | 72.0 | 29.610 | .125 | 29.485 | 30.45 | 25.8 | 24.3 | −2 | 82 | .113 | 25.7 | 22.1 | SW | [illegible] | | | 3 | 7 | St Cu | [illegible] | Pt. Cloudy | | | | 11 |
| 12 | 73.0 | 28.830 | .124 | 28.706 | 29.65 | 39.0 | 38.1 | 34 | 100 | .237 | 47.0 | 37.6 | SW | [illegible] | | | .54 | 10<br>10 | Nb<br>Densely | SW<br>SW | Lt. Rain | | B-1:40p E-[illegible] | | 12 |
| 13 | 72.0 | 29.025 | .123 | 28.902 | 29.83 | 37.8 | 34.3 | 30 | 71 | .164 | 37.6 | 33.6 | [illegible] | [illegible] | 25 | [illegible] | .06 | 10 | St | W | Cloudy | B-DNA E-1:32a<br>B-1:32a E-DNA<br>B-3:20p E-3:40p<br>E-5:00p | | | 13 |
| 14 | 63.5 | 29.665 | .103 | 29.562 | [illegible] | 6.4 | 5.0 | −2 | 6[illegible] | [illegible] | 10.6 | 6.4 | W | 28 | [illegible] | W | T | 4 | Sct | W | Pt. Cloudy | | | | 14 |
| 15 | 65.0 | 29.706 | .107 | 29.599 | 30.60 | 10.6 | 9.8 | 7 | 83 | .054 | 12.4 | 1.2 | W | 9 | | | 0 | 0 | 0 | 0 | Clear | | | | 15 |
| 16 | 67.0 | 29.304 | .111 | 29.193 | [illegible] | 15.0 | 13.8 | 10 | 79 | .065 | 16.6 | 4.6 | NW | 24 | | | T | 10 | Nb | NW | Lt. Snow | | | | 16 |
| 17 | 67.0 | 29.435 | .117 | 29.318 | 30.30 | 6.0 | 4.0 | −7 | 58 | .026 | 16.8 | 6.0 | N | 15 | | | .01 | 0 | 0 | 0 | Clear | | | | 17 |
| 18 | 68.0 | 29.465 | .114 | 29.351 | 30.33 | 16.0 | 14.4 | 9 | 73 | .060 | 19.0 | 8.1 | W | 7 | | | T | 0 | 0 | 0 | Clear | | | | 18 |
| 19 | 72.0 | 29.174 | .124 | 29.050 | 30.01 | 27.0 | 26.5 | 26 | 94 | .136 | 31.6 | 9.6 | SE | 6 | | | .04 | 10 | Nb | SE | Lt. Snow | | | | 19 |
| 20 | 74.5 | 29.480 | .131 | 29.349 | 30.32 | 28.4 | 27.6 | 25 | 80 | .130 | 32.0 | 24.0 | W | 5 | | | 0 | 0 | 0 | 0 | Clear | | | | 20 |
| 21 | 72.0 | 29.382 | .125 | 29.257 | 30.22 | 27.6 | 27.1 | 23 | 73 | .118 | 35.7 | 21.8 | NW | 5 | | | 0 | 10 | St | NW | Cloudy | | | | 21 |
| 22 | 67.0 | 29.581 | .111 | 29.470 | 30.44 | 21.6 | 21.0 | 19 | 92 | .098 | 26.8 | 21.6 | NW | 10 | | | T | 10 | St | NW | Cloudy | | | | 22 |
| 23 | 73.5 | 29.737 | .130 | 29.607 | 30.59 | 16.0 | 13.8 | 7 | 63 | .054 | 19.4 | 14.3 | NE | 4 | | | T | 0 | 0 | 0 | Clear | | | | 23 |
| 24 | 68.0 | 29.196 | .113 | 29.083 | 30.03 | 35.8 | 34.2 | 32 | 86 | .180 | 35.8 | 20.0 | SW | [illegible] | 35 | SW | .08 | 10 | St | SW | Cloudy | | | | 24 |
| 25 | 68.5 | 29.167 | .114 | 29.053 | 30.00 | 38.8 | 37.8 | 37 | 92 | .219 | 43.9 | 35.2 | S | 12 | | | .01 | 10 | Nb | S | Lt. Snow | B-7:10a E-[illegible] | | | 25 |
| 26 | 76.0 | 29.166 | .134 | 29.032 | 29.97 | 38.0 | 37.5 | 37 | 96 | .219 | 41.2 | 38.0 | N | 7 | | | .10 | 10 | St | N | Cloudy | B-DNA E-5:02p<br>B-5:02p E-[illegible] | | | 26 |
| 27 | 76.0 | 29.260 | .134 | 29.126 | 30.08 | 33.0 | 30.4 | 27 | 75 | .143 | 33.6 | 29.7 | NE | 4 | | | 0 | 10 | St | NE | Cloudy | B-Cont'd E-11:28a | | | 27 |
| 28 | 74.5 | 29.072 | .129 | 28.943 | 29.89 | 34.8 | 34.3 | 34 | 95 | .195 | 39.6 | 29.6 | SW | 13 | | | .01 | 10 | Nb | SW | Lt. Snow | | | RMH | 28 |
| 29 | | | | | | | | | | | | | | | | | | | | | | | | | 29 |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | | 30 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 31 |
| Sums | | (a) | (a) | 818.297 | 845.31 | 693 | 654 | 256 | 2254 | 3349 | (a) | (a) | (a) | 282 | (a) | (a) | 0.97 | 193 | (a) | (a) | (a) | 6 | 2 | (a) | (a) |
| Means | | (a) | (a) | 29.225 | 30.190 | 24.8 | 23.4 | 20.0 | 80.6 | .120 | (a) | (a) | (c) W | 10.1 | (a) | (a) | (a) | 6.9 | U ~~a St~~ & W<br>L St. L W | | (a) | (a) | (a) | (a) | (a) |

Observations are begun about 7.40 o'clock, 75th meridian time.

†By dial when self-register is out of order. ††T indicates trace of precipitation. U, upper clouds. L, lower clouds.

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# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of February, 1923

| Date. | TEMPERATURE. Maximum. (b) | Minimum. (b) | Range. (b) | Change. (b) | Mean (max. and min.). (b) | Normal. | Departure. | Total excess or deficiency since 1st of month. | PRECIPITATION. Character. ‡ | Beginning. | Ending. | Character. ‡ | Beginning. | Ending. | Character. ‡ | Beginning. | Ending. | Character. ‡ | Beginning. | Ending. | Total (mid. to mid.). (b) †† | Normal. | Departure. | Total excess or deficiency since 1st of month. | Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡ | Snow unmelted. 7 p.m. to 7 p.m. *‡‡ | Hail, sleet, and snow on ground at 7 p.m. *‡‡ | Amount of precipitation from melted snow (mid. to mid.). | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | | | | | | | | | | | | | | | | In. | | | | In. | In. | In. | In. | |
| 1 | 43 | 33 | 10 | 0 | 38 | | | | R | 9:15a | 10:30a | R | 4:15p | 4:30p | | | | | | | .01 | | | | 0 | 0 | 0 | 0 | 1 |
| 2 | 41 | 32 | 9 | 2 | 36 | | | | S$^m$ | DNA | DNA | H | 2:05p | 9:30p | S$^m$ | 9:30p | Cont'd | | | | .01 | | | | 0 | T | 0 | 0 | 2 |
| 3 | 32 | 6 | 26 | 17 | 19 | | | | S$^m$ | Cont'd | 11:2[illegible] | | | | | | | | | | T | | | | 0 | T | T | T | 3 |
| 4 | 12 | 1 | 11 | 13 | 6 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 4 |
| 5 | 20 | 6 | 14 | 10 | 16 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 5 |
| 6 | 20 | 10 | 5 | 2 | 18 | | | | S$^m$ | 6:12a | 8:45p | | | | | | | | | | .08 | | | | 0 | 1.0 | 1.0 | .08 | 6 |
| 7 | 29 | 16 | 13 | 4 | 22 | | | | S$^m$ | DNA | 2:30p | | | | | | | | | | .02 | | | | 0 | 0.2 | 1.0 | .02 | 7 |
| 8 | 39 | 22 | 17 | 8 | 30 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0.6 | 0 | 8 |
| 9 | 28 | 20 | 8 | 6 | 24 | | | | S$^m$ | DNA | 12:10p | S$^m$ | 1:25p | Cont'd | | | | | | | [illegible] | | | | 0 | 0.2 | 0.6 | [illegible] | 9 |
| 10 | 27 | 14 | 13 | 4 | 20 | | | | S$^m$ | Cont'd | DNA | S$^m$ | 9:15p | Cont'd | | | | | | | .10 | | | | 0 | 0.5 | .3 | | 10 |
| 11 | 24 | 19 | 10 | 4 | 24 | | | | S$^m$ | DNA | DNA | | | | | | | | | | T | | | | 0 | T | .1 | | 11 |
| 12 | 40 | 17 | 23 | 4 | 28 | | | | R | 12:30p | 11:0[illegible] | | | | | | | | | | .56 | | | | 0 | 0 | T | 0 | 12 |
| 13 | 40 | 18 | 22 | 1 | 29 | | | | R | 12:30p | 6:23p | S$^m$ | 7:1[illegible] | [illegible] | | | | | | | .06 | | | | 0 | 0 | 0 | | 13 |
| 14 | 13 | 4 | 9 | 18 | 11 | | | | S$^d$ | 2:05p | 3:30[illegible] | | | | | | | | | | T | | | | 0 | T | 0 | | 14 |
| 15 | 12 | 1 | 11 | 5 | 6 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 15 |
| 16 | 17 | 5 | 12 | 5 | 11 | | | | S$^d$ | 9:55a | 10:10a | S$^d$ | 10:57a | 12:15p | S$^d$ | 6:38p | Cont'd | | | | T | | | | 0 | T | T | T | 16 |
| 17 | 17 | 4 | 13 | 1 | 10 | | | | S$^d$ | Cont'd | 11:45p | S$^d$ | 10:20p | Cont'd | | | | | | | .01 | | | | 0 | 0.2 | 0.2 | [illegible] | 17 |
| 18 | 19 | 4 | 15 | 2 | 12 | | | | S$^d$ | Cont'd | 7:40a | | | | | | | | | | T | | | | 0 | T | 0.1 | [illegible] | 18 |
| 19 | 32 | 9 | 23 | 8 | 20 | | | | S$^m$ | 3:28p | Cont'd | | | | | | | | | | .11 | | | | 0 | 0.5 | 0.5 | .11 | 19 |
| 20 | 32 | 23 | 9 | 8 | 28 | | | | S$^m$ | Cont'd | [illegible] | | | | | | | | | | .55 | | | | [illegible] | 1.8 | 1.0 | .05 | 20 |
| 21 | 36 | 17 | 19 | 2 | 26 | | | | S$^m$ | 9:15p | DNA | | | | | | | | | | T | | | | 0 | 0 | 1.0 | T | 21 |
| 22 | 27 | 20 | 7 | 2 | 24 | | | | S$^m$ | DNA | 6:10p | S$^m$ | 6:59p | Cont'd | | | | | | | T | | | | 0 | T | 1.0 | T | 22 |
| 23 | 20 | 13 | 7 | 8 | 17 | | | | S$^m$ | Cont'd | 8:45a | | | | | | | | | | .01 | | | | 0 | 0.1 | 0.8 | .01 | 23 |
| 24 | 36 | 12 | 24 | 8 | 24 | | | | S$^m$ | 9:10a | 9:12a | S$^m$ | 11:45a | 1:35p | | | | | | | .08 | | | | .0 | 0.8 | 1.1 | .08 | 24 |
| 25 | 44 | 31 | 13 | 6 | 38 | | | | R | 3:37p | 9:[illegible] | | | | | | | | | | .04 | | | | 0 | 0 | 0 | T | 25 |
| 26 | 41 | 24 | 17 | 2 | 33 | | | | R | 10:45a | 5:10p | R | 10:51p | Cont'd | | | | | | | .10 | | | | 0 | 0 | 0 | 0 | 26 |
| 27 | 36 | 30 | 6 | 8 | 33 | | | | R | Cont'd | 0:[illegible] | S$^m$ | 9:25p | DNP | | | | | | | T | | | | 0 | 0 | 0 | T | 27 |
| 28 | 40 | 31 | 10 | 8 | 36 | | | | S$^m$ | 4:00p | 7:02p | H | 7:02p | 7:15p | S$^m$ | 9:[illegible]p | [illegible] | | | | .02 | | | | 0 | T | 0 | .01 | 28 |
| 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 29 |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 30 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 31 |
| S | 832 | 458 | 374 | 163 | 642 | | Total excess or deficiency since January 1, | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | 1.23 | | Total excess or deficiency since January 1, | | 0 | 5.7 | (a) | (a) | (a) |
| M | 29.7 | 16.4 | 13.4 | 5.8 | 22.9 | (a) | | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | | | (a) | (a) | (a) | (a) | (a) |

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, S$^d$—dry snow, S$^m$—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.

p Estimated.



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# SUMMARY FOR THE MONTH OF February, 1923

The 8 a.m. and 8 p.m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

## PRESSURE.

(Correction to reduce to a 24-hour mean .000.)

### STATION.

| Mean. 8 a.m. | Mean. 8 p.m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 29.249 | 29.225 | 29.237 | 29.700 | 15 | 28.700 | 12 | 1.000 |
| Corrected mean | | 29.232 | | | | | |

### REDUCED.

| Mean. 8 a.m. | Mean. 8 p.m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 30.214 | 30.190 | 30.202 | 30.71 | 15 | 29.63 | 12 | 1.08 |
| Corrected mean | | 30.197 | | | | | |

## TEMPERATURE.

### MEAN.

| Dry. 8 a.m. | Dry. 8 p.m. | Dry. (8+8)÷2 (g) | Wet. 8 a.m. | Wet. 8 p.m. | Wet. Monthly. (g) | Max. | Min. | Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 20.4 | 24.8 | 22.6 | 19.4 | 23.4 | 21.4 | 29.7 | 16.4 | 23.0 |

| Highest. (i) | Date. (i) | Lowest. (i) | Date. (i) | Absolute range. | Greatest daily range. (i) | Date. (i) | Least daily range. (i) | Date. (i) |
|---|---|---|---|---|---|---|---|---|
| 44 | 25 | 1 | 4 | 43 | 26 | 3 | 5 | 6 |

| Dew-point. 8 a.m. | Dew-point. 8 p.m. | Dew-point. Monthly. (g) | Relative Humidity. 8 a.m. | Relative Humidity. 8 p.m. | Relative Humidity. Monthly. (g) | Vapor Pressure. 8 a.m. | Vapor Pressure. 8 p.m. | Vapor Pressure. Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 16.6 | 20.0 | 18.3 | 84.0 | 80.5 | 82.2 | .102 | .120 | .111 |

| Number of days with—(j) Maximum. 32° or below. | Maximum. 90° or above. | Minimum. 32° or below. | Minimum. Zero or below. |
|---|---|---|---|
| 17 | 0 | 26 | 0 |

**CLOUDS.**

Most frequent clouds Stratus

Most frequent direction upper clouds W

Most frequent direction lower clouds W

## WIND.

| Total movement (mid. to mid.). | Average hourly velocity. | Prevailing direction. (p) | Maximum velocity. (r) | Direction. (r) | Date. (r) | Number of Times Wind Observed from the—N. | NE. | E. | SE. | S. | SW. | W. | NW. | Calm. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7247 | 10.8 | W | 48 | W | 14 | 3 | 5 | 6 | 3 | 2 | 13 | 15 | 9 | 0 |

## WEATHER.

| Mean Cloudiness. 8 a.m. | 8 p.m. | Monthly. (t) | Sunshine. Percentage of possible. | Number of Days. Clear. | Partly cloudy. | Cloudy. | Number of Days with Precipitation (Mid. to Mid.). Clear. (u) | Partly cloudy. (u) | Cloudy. (u) |
|---|---|---|---|---|---|---|---|---|---|
| 7.7 | 6.9 | 7.8 | 26 | 2 | 8 | 18 | 0 | 3 | 13 |

(9)

## MISCELLANEOUS PHENOMENA.

Dates of—(midnight to midnight).

| Frosts. Light. | Heavy. | Killing. | Thunderstorms. (v) | Winds. (40 miles or over.) | Solar Halos. | Lunar Halos. | Fog. Light. | Dense. | Haze. Light. | Dense. | Smoke. Light. | Dense. | Hail. | Aurora. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| not recorded | not recorded | not recorded | 0 | 13, 14. | 4, 19 | 0 | 1, 2, 13, 25, 26, 27. | 12, 13 | 0 | 0 | 0 | 5 | 0 | 0 |

## PRECIPITATION (in inches and hundredths). (m)

| Total amount. | Greatest Amount in 24 Consecutive Hours. Amt. | Date. (k) | Excessive. 2.50 Inches in 24 Hours. (l) * Amt. | Duration. h. m. | Date. (k) | 1 Inch per Hour. (l) Amt. | Duration. h. m. | Date. (k) |
|---|---|---|---|---|---|---|---|---|
| 1.23 | 0.55 | 12 | None | | | None | | |

| Number of days with—(Mid. to Mid.). Trace. | .01 or more. | .04 or more. | .25 or more. | 1.00 or more. | Total. | Snow. Trace or more. | Snow. .01 or more melted. | Snow. Total Depth. (o) | Snow. Average Depth at End of Month. |
|---|---|---|---|---|---|---|---|---|---|
| 8 | 16 | 9 | 1 | 0 | 24 | 20 | 10 | 5.7 | 0 |

(w) Maximum precipitation in 5 minutes —, date —; 10 minutes —, date —; 15 minutes —, date —;

30 minutes —, date —; 1 hour —, date —; 2 hours —, date —.

## EXCESSIVE.

| Date. | Total Duration. From— | To— | Total amount of precipitation. | Excessive Rate. Began— | Ended— | Amt. before excessive began. |
|---|---|---|---|---|---|---|
| | Automatic raingage not used during the month. | | | | | |

| Accumulated Depths During Excessive Rate for Consecutive Periods of Time Indicated Below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

* The duration is the time precipitation was actually recorded.

8—154

Prepared by C. W. Boyd

C. W. Boyd, Meteorologist, Weather Bureau.

*ORIGINAL MONTHLY RECORD OF OBSERVATIONS at* [illegible], *for the Month of* [illegible], *192*

*Number of Station barometer,* 656; *sum of corrections,* -.009 *inch.*

SPECIAL OBSERVATIONS.

| Date. | Time. 75th mer. | Time. Local (standard). | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) | Barometer. Reduced to sea-level. | Thermometers. Dry. | Thermometers. Wet. | Dew-point. | Depression of the dew-point. | Relative humidity. | Maximum thermometer. | Wind. Direction. | Wind. Velocity. † | Wind. Max. since last observation. | Wind. Direction. | Precipitation. †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Special Phenomena. | Initials of Observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6" | 12 00 Noon | 11 00 a.m. | 74.0 | 29.481 | .130 | 29.351 | 30.33 | 17.4 | 16.8 | 15 | 2 | 90 | 17.4 | NE | 10 | | | T | 10 | Nb | NE | Lt. Snow | Report of Chicago | GDS | 6" |
| | | | | | | | | Pressure Extremes | | | | | | | | | | | | | | | | | |
| | | | | | | | | Highest | | | | | | | | | | | | | | | | | |
| 15" | 10 45 am | 9 45 am | | | | 29.700 | 30.71 | 5.0 | | | | | | | | | | | | | | | | | 15" |
| | | | | | | | | Lowest | | | | | | | | | | | | | | | | | |
| 12" | 8 30 pm | 7 30 pm | | | | 28.700 | 29.63 | 40.0 | | | | | | | | | | | | | | | | | 12" |

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation. 8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of FEB 1923, 192

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

| DATE. | N. | | NE. | | E. | | SE. | | S. | | SW. | | W. | | NW. | | CALM. | | TOTAL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. |
| 1 | 4 | 1 | | | 10 | 2 | 20 | 5 | 14 | 2 | | | 23 | 3 | 101 | 11 | | | 172 | 24 |
| 2 | 7 | 2 | | | 27 | 6 | 22 | 5 | 13 | 3 | 16 | 2 | 78 | 6 | | | | | 163 | 24 |
| 3 | | | | | | | | | | | | | 18 | 1 | 378 | 23 | | | 396 | 24 |
| 4 | | | | | | | | | | | 35 | 4 | 166 | 17 | 26 | 3 | | | 227 | 24 |
| 5 | | | | | 34 | 4 | 47 | 8 | 6 | 1 | 7 | 1 | 40 | 10 | | | | | 134 | 24 |
| 6 | | | 49 | 5 | 163 | 17 | 3 | 1 | 3 | 1 | | | | | | | | | 218 | 24 |
| 7 | | | | | | | 24 | 5 | 21 | 4 | 181 | 15 | | | | | | | 226 | 24 |
| 8 | | | | | | | | | | | 288 | 16 | 71 | 5 | 45 | 3 | | | 404 | 24 |
| 9 | 62 | 11 | 37 | 8 | | | | | | | | | | | 53 | 5 | | | 152 | 24 |
| 10 | 39 | 8 | 10 | 4 | 24 | 5 | 28 | 5 | 4 | 1 | 3 | 1 | | | | | | | 108 | 24 |
| 11 | | | | | 13 | 2 | 9 | 2 | | | 122 | 15 | 48 | 5 | | | | | 192 | 24 |
| 12 | | | | | 82 | 11 | 41 | 6 | 14 | 2 | 43 | 3 | 27 | 2 | | | | | 207 | 24 |
| 13 | | | | | 36 | 6 | 7 | 2 | 3 | 1 | 13 | 3 | 242 | 12 | | | | | 301 | 24 |
| 14 | | | | | | | | | | | | | 668 | 24 | | | | | 668 | 24 |
| 15 | | | | | | | | | | | | | 280 | 17 | 112 | 7 | | | 392 | 24 |
| 16 | | | | | | | | | | | | | 314 | 21 | 45 | 3 | | | 359 | 24 |
| 17 | 111 | 9 | 6 | 1 | | | | | | | 14 | 1 | 147 | 11 | 21 | 2 | | | 299 | 24 |
| 18 | | | | | | | | | | | 137 | 13 | 137 | 11 | | | | | 274 | 24 |
| 19 | | | | | | | 25 | 4 | 79 | 7 | 123 | 13 | | | | | | | 227 | 24 |
| 20 | 52 | 7 | 7 | 2 | | | 7 | 2 | | | | | 10 | 3 | 61 | 10 | | | 137 | 24 |
| 21 | | | | | | | | | | | 114 | 11 | 113 | 10 | 40 | 3 | | | 267 | 24 |
| 22 | | | | | | | | | | | | | 104 | 8 | 239 | 16 | | | 343 | 24 |
| 23 | 92 | 9 | 16 | 3 | | | 17 | 4 | | | | | 59 | 6 | 21 | 2 | | | 205 | 24 |
| 24 | | | | | | | | | 98 | 8 | 333 | 16 | | | | | | | 431 | 24 |
| 25 | | | | | | | | | 72 | 8 | 118 | 15 | 6 | 1 | | | | | 196 | 24 |
| 26 | 34 | 5 | 29 | 6 | | | | | 42 | 6 | 41 | 5 | | | 5 | 2 | | | 151 | 24 |
| 27 | 18 | 2 | 126 | 19 | 6 | 1 | | | | | | | 8 | 2 | | | | | 158 | 24 |
| 28 | | | | | | | | | | | 150 | 13 | 74 | 9 | 16 | 2 | | | 240 | 24 |
| 29 | | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | |
| SUM. | 419 | 54 | 280 | 48 | 395 | 54 | 250 | 49 | 369 | 44 | 1738 | 147 | 2633 | 184 | 1163 | 92 | 0 | 0 | 7247 | 672 |
| PERCENTAGE | 6 | 8 | 4 | 7 | 6 | 8 | 3 | 7 | 5 | 7 | 24 | 22 | 36 | 27 | 16 | 14 | 0 | 0 | a | a |
| AVG. HOURLY VELOCITY | 7.8 | a | 5.8 | a | 7.3 | a | 5.1 | a | 8.4 | a | 11.8 | a | 14.3 | a | 12.6 | a | 0 | a | 10.8 | a |

8—154

Form No. 1001—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE,

## WEATHER BUREAU.

# ORIGINAL MONTHLY RECORD

## OF

# OBSERVATIONS

## AT

Fort Wayne, Ind

## *For the Month of* March, 1923

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, ____; No. of wet thermometer in use, ____; No. of maximum thermometer in use, ____; No. of minimum thermometer in use, ____

†Elevation above ground of the dry thermometer, ____ feet; rain gage, ____ feet; anemometer, ____ feet.

If the office has been moved during the month, give date ____; amount of change in height of barometer, ____ feet (higher or lower).

No. of extra barometer, 675; sum of corrections, .017; date and observation upon which use of station barometer commenced, May 20, 1911 7:00 a. m., station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Corner of Berry & Calhoun streets room 911-912 Shoaff Building first observation taken in present office, 7:00 a m. May 20, 1911

*Cancel words that are not appropriate.

†To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months.

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*ORIGINAL MONTHLY RECORD OF OBSERVATIONS at* Fort Myer, Va., *for the Month of* March, *1923*

*Number of Station barometer,* 6.56 *; sum of corrections,* −.009 *inch.*

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 2:00 A. M. 90th MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; [illegible] A. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. | Vapor pressure. (b) | Self-reg. ther's. Max. (b) | Self-reg. ther's. Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 a. m. (b) †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | | Initials of observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | |
| 1 | 70.0 | 24.152 | .118 | 27.034 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | .01 | 8 | St Cu | W | Cloudy | | [illegible] | 1 |
| 2 | 68.0 | 28.950 | .112 | 28.838 | 29.97 | 39.6 | 37.0 | 33 | 79 | .187 | 40.0 | 38.4 | SW | 14 | | | 0 | 0 | 0 | 0 | Clear | | Ohio | 2 |
| 3 | 70.0 | 28.992 | .118 | 28.874 | 29.80 | 45.3 | 43.3 | 41 | 86 | .256 | 57.8 | 45.3 | SW | [illegible] | | | 0 | 4 | Cu St | W | Pt. Cloudy | | [illegible] | 3 |
| 4 | 70.0 | 28.740 | .117 | 28.623 | 29.63 | 51.9 | 47.4 | 43 | 72 | .257 | 59.0 | 48.2 | SW | 35 | NW | NW | .20 | 6 | St Cu | SW | Pt Cloudy | | [illegible] | 4 |
| 5 | 67.0 | 29.421 | .111 | 29.310 | 30.27 | 34.0 | 28.3 | 26 | 62 | .136 | 32.0 | 27.0 | W | [illegible] | | | 0 | 4 | St Cu | N | Cloudy | | [illegible] | 5 |
| 6 | 72.5 | 28.962 | .124 | 28.838 | 29.78 | 24.8 | 24.3 | 24 | 95 | .157 | 36.0 | 24.2 | E | [illegible] | | | .32 | 10 | Nb | E | Lt. Snow | | [illegible] | 6 |
| 7 | 67.5 | 28.854 | .110 | 28.744 | 29.68 | 27.0 | 26.0 | 24 | 88 | .124 | 30.6 | 26.2 | NW | [illegible] | | | .06 | 10 | Nb | W | Lt. Snow | | [illegible] | 7 |
| 8 | 68.0 | 29.394 | .114 | 29.280 | 30.25 | 16.8 | 15.4 | 12 | 77 | .070 | 25.2 | 15.6 | W | 3 | | | 0 | 2 | A St | W | Clear | | Ohio | 8 |
| 9 | 70.5 | 29.482 | .121 | 29.361 | 30.32 | 27.0 | 25.1 | 21 | 77 | .088 | 30.2 | 24.0 | SE | [illegible] | | | 0 | 4 | [illegible] | [illegible] | Pt Cloudy | | [illegible] | 9 |
| 10 | 71.0 | 29.180 | .121 | 29.059 | 30.00 | 32.4 | 29.4 | 26 | [illegible] | [illegible] | 45.0 | 32.0 | NW | 9 | 33 | SW | .26 | 6 | A St St Cu | W | [illegible] | | [illegible] | 10 |
| 11 | 70.0 | 29.104 | .118 | 28.986 | 29.94 | 33.2 | 30.2 | 25 | 71 | .130 | 39.0 | 30.6 | [illegible] | [illegible] | | | 0 | 8 | A St | SW | Cloudy | | [illegible] | 11 |
| 12 | 68.0 | 28.288 | .120 | 28.168 | 29.08 | 45.9 | 44.9 | 44 | 93 | .287 | 51.8 | 35.3 | SW | 22 | 34 | [illegible] | .82 | 10 | Nb | W | Lt. Rain | | [illegible] | 12 |
| 13 | 69.5 | 29.030 | .116 | 28.914 | [illegible] | 30.0 | 28.8 | 27 | 87 | .143 | 35.2 | [illegible] | [illegible] | [illegible] | | | .02 | 10 | Nb | S | Lt Snow | | [illegible] | 13 |
| 14 | 70.0 | 27.466 | .119 | 27.347 | [illegible] | 22.8 | 21.4 | 18 | [illegible] | [illegible] | 27.8 | 22.2 | [illegible] | [illegible] | | | T | 10 | St | [illegible] | [illegible] | | [illegible] | 14 |
| 15 | 72.0 | 29.438 | .125 | 29.313 | 30.25 | 28.6 | 27.5 | 26 | 87 | .138 | 28.6 | 24.7 | E | [illegible] | | | 0 | 10 | St | E | Cloudy | | [illegible] | 15 |
| 16 | 68.5 | 29.000 | .114 | 28.886 | 29.84 | 27.6 | 26.1 | 24 | 82 | .124 | 35.3 | 27.6 | W | 24 | 36 | [illegible] | .70 | 10 | St | NW | Cloudy | | [illegible] | 16 |
| 17 | 68.5 | 29.412 | .115 | 29.297 | 30.26 | 24.0 | 22.5 | 18 | 74 | .093 | 24.8 | [illegible] | [illegible] | [illegible] | | | 0 | 0 | 0 | 0 | Clear | | [illegible] | 17 |
| 18 | 73.5 | 29.252 | .128 | 29.124 | 30.06 | 36.4 | 32.8 | 27 | 69 | .143 | 39.2 | 33.8 | S | 8 | | | 0 | 1 | 1 St St | W S | Clear | | [illegible] | 18 |
| 19 | 74.0 | 29.214 | .129 | 29.085 | 30.03 | 8.0 | 6.8 | 1 | 72 | .040 | 51.0 | 6.9 | NW | [illegible] | 29 | [illegible] | .01 | 1 | St | NW | Clear | | [illegible] | 19 |
| 20 | 70.0 | 29.202 | .118 | 29.084 | 30.05 | 20.2 | 18.2 | 13 | 70 | .074 | 20.2 | 11.8 | S | 13 | | | 0 | 10 | St | S | Cloudy | | [illegible] | 20 |
| 21 | 69.0 | 29.264 | .116 | 29.148 | 30.09 | 37.8 | 33.2 | 27 | 62 | .143 | 39.2 | 34.8 | SW | [illegible] | | | 0 | 8 | A St | NW | Cloudy | | [illegible] | 21 |
| 22 | 72.0 | 29.194 | .124 | 29.070 | 30.01 | 45.0 | 40.0 | 35 | [illegible] | .198 | 48.5 | 42.4 | SW | [illegible] | | | .20 | 10 | Nimbus Fog | SW | Foggy | | [illegible] | 22 |
| 23 | 70.0 | 29.325 | .119 | 29.206 | 30.14 | 32.8 | 31.2 | 29 | 84 | .197 | 39.1 | 32.8 | NW | 8 | 31 | W | T | 10 | St Cu | NW | Cloudy | | [illegible] | 23 |
| 24 | 69.0 | 29.324 | .116 | 29.208 | 30.15 | 34.2 | 31.7 | 28 | 77 | .180 | 34.2 | 30.0 | W | 16 | | | 0 | 8 | St Cu | W | Cloudy | | Ohio | 24 |
| 25 | 72.0 | 29.286 | .124 | 29.162 | 30.11 | 38.2 | 34.0 | 28 | 69 | .180 | 38.3 | 29.5 | [illegible] | [illegible] | | | [illegible] | 8 | A St | W | Cloudy | | [illegible] | 25 |
| 26 | 71.5 | 29.549 | .123 | 29.422 | [illegible] | 19.5 | 18.4 | 16 | 92 | .091 | 40.6 | 19.6 | NW | [illegible] | | | T | 10 | St | NE | Cloudy | | [illegible] | 26 |
| 27 | 70.0 | 29.336 | .120 | 29.216 | 30.16 | 35.0 | 31.2 | 28 | 66 | .150 | 35.0 | 29.0 | SW | 16 | | | 0 | 0 | 0 | 0 | Clear | | Ohio | 27 |
| 28 | 68.0 | 29.304 | .114 | 29.190 | 30.26 | 19.9 | 17.9 | 12 | 68 | .070 | 28.1 | 19.9 | NW | 24 | 34 | NW | T | 4 | St Cu | NW | Pt. Cloudy | | Ohio | 28 |
| 29 | 70.0 | 29.418 | .121 | 29.297 | 30.27 | 18.4 | 18.2 | 15 | 82 | .081 | 19.4 | 13.3 | S | 12 | [illegible] | [illegible] | 0 | 10 | A St | W | Cloudy | | [illegible] | 29 |
| 30 | 72.0 | 29.252 | .124 | 29.128 | 30.07 | 29.9 | 29.4 | 23 | 73 | .118 | 48.8 | 29.9 | NW | 14 | | | 0 | 8 | St Cu | NW | Cloudy | | Ohio | 30 |
| 31 | 71.5 | 29.716 | .124 | 29.592 | 30.57 | 10.8 | 9.2 | 3 | 67 | .044 | 18.0 | 8.9 | NW | 9 | | | 0 | Trace | St. Cu. | NW | Clear | | [illegible] | 31 |
| Sums | | (a) | (a) | 902.014 | 931.38 | 931.4 | 869.1 | 757 | 2434 | 4.248 | (a) | (a) | (a) | 373 | (a) | (a) | 2.60 | 198 | (a) | (a) | (a) | | (a) | (a) |
| Means | | (a) | (a) | 29.097 | 30.045 | 30.0 | 28.0 | 24.4 | 78.5 | .139 | (a) | (a) | (c) SW NW | 12.0 | (a) | (a) | (a) | 6.4 | U ast. L St. Cu | U W L NW | (a) | | | (a) | (a) |

Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

U, upper clouds. L, lower clouds.

8—154

*ORIGINAL MONTHLY RECORD OF OBSERVATIONS at* Fort Wayne, Ind., *for the Month of* [illegible], 192[illegible]

*Number of Station barometer,* 656; *sum of corrections,* −.009 *inch.*

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 P. M. [illegible] MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:16 P. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-reg. ther's. Max. (b) | Self-reg. ther's. Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 p.m. (b) †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Fog, Mid. to Mid. (local standard time). Light. (f) | Fog, Mid. to Mid. (local standard time). Dense. (f) | Initials of observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | | |
| 1 | 73.0 | 29.018 | .125 | 28.893 | 29.84 | 38.8 | 35.3 | 31 | 72 | .172 | 41.0 | 32.0 | SW | 11 | | | 0 | 0 | 0 | 0 | Clear | | | | 1 |
| 2 | 70.0 | 28.744 | .117 | 28.627 | 29.[illegible] | 57.5 | [illegible] | 40 | 62 | .2[illegible] | 63.0 | 37.6 | [illegible] | [illegible] | 25 | SW | 0 | 6 | ASt | NW | Pt. Cloudy | | | | 2 |
| 3 | 71.0 | 28.773 | .120 | 28.873 | 29.80 | 52.8 | 48.8 | 45 | 75 | .2[illegible] | 57.2 | 45.3 | SW | [illegible] | | | T | 10 | Nb | SW | Lt. Rain | | | | 3 |
| 4 | 68.0 | 29.332 | .113 | 29.219 | 30.[illegible] | 32.0 | 30.0 | 27 | 29 | .1[illegible] | 5[illegible] | 3[illegible] | [illegible] | [illegible] | 46 | SW | T | 10 | StCu | NW | Cloudy | | | | 4 |
| 5 | 75.0 | 29.270 | .132 | 29.138 | 30.09 | 36.0 | 31.8 | 26 | 63 | .136 | 41.0 | 30.0 | SE | [illegible] | | | 0 | 9 | Cu | SE | Cloudy | | | | 5 |
| 6 | 74.0 | 28.756 | .127 | 28.628 | 29.56 | 28.2 | 27.8 | 27 | 95 | .143 | 31.0 | 28.2 | [illegible] | [illegible] | | | .15 | 10 | Nb | N | Lt. Snow | | | | 6 |
| 7 | 71.0 | 29.221 | .121 | 29.100 | 30.06 | 25.2 | 23.3 | 20 | 76 | .103 | 28.8 | 25.2 | W | 8 | | | T | 2 | Cu | NW | Clear | | | | 7 |
| 8 | 74.0 | 29.476 | .130 | 29.[illegible] | 30.[illegible] | 30.2 | 26.1 | 18 | 56 | .093 | [illegible] | [illegible] | E | [illegible] | | | 0 | [illegible] | Cu | NW | Clear | | | | 8 |
| 9 | 75.5 | 29.100 | .132 | 28.[illegible] | [illegible] | 48.0 | 43.1 | 37 | 68 | .2[illegible] | [illegible] | [illegible] | SE | [illegible] | | | T | 10 | Nb | SW | Lt. Rain | | | | 9 |
| 10 | 75.0 | 29.175 | .132 | 29.043 | 29.99 | 37.0 | 34.0 | 27 | 60 | .143 | [illegible] | [illegible] | SW | 7 | | | 0 | [illegible] | [illegible] | [illegible] | Clear | | | | 10 |
| 11 | 69.0 | 28.880 | .115 | 28.765 | 29.70 | 41.0 | 37.0 | 32 | 69 | .180 | 42.9 | 33.2 | E | 12 | | | T | 10 | Nb | E | Lt. Rain | | | | 11 |
| 12 | 70.0 | 28.710 | .118 | 28.[illegible] | [illegible] | [illegible] | [illegible] | 28 | [illegible] | [illegible] | 46.8 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | .08 | 10 | StCu | SW | Cloudy | | | | 12 |
| 13 | 75.0 | 29.135 | .132 | [illegible] | [illegible] | 29.8 | 28.8 | 27 | 87 | [illegible] | 35.[illegible] | [illegible] | [illegible] | [illegible] | | | .02 | 10 | Nb | N | Lt. Snow | | | | 13 |
| 14 | 75.0 | 29.650 | .134 | 29.516 | [illegible] | 28.0 | 26.2 | 23 | [illegible] | [illegible] | [illegible] | [illegible] | SE | [illegible] | | | T | 10 | StCu | W | Cloudy | | | | 14 |
| 15 | 74.5 | 29.676 | .124 | 28.766 | 29.71 | 42.0 | 41.8 | 42 | 98 | .266 | 43.6 | 28.6 | SE | 8 | | | .81 | 10 | Nb | SE | Lt. Rain | | | | 15 |
| 16 | 74.0 | 29.363 | .129 | 29.234 | [illegible] | 24.8 | 22.3 | [illegible] | [illegible] | [illegible] | 28.6 | 24.0 | W | 8 | 31 | W | T | Few | Cu | NW | Clear | | | | 16 |
| 17 | 73.5 | 29.300 | .138 | 29.162 | [illegible] | 39.2 | 33.8 | 26 | 57 | .136 | 43.1 | 24.0 | S | 7 | | | 0 | 1 | ASt | NW | Clear | | | | 17 |
| 18 | 79.5 | 28.730 | .142 | 28.588 | 29.71 | 51.0 | 43.8 | 36 | 56 | .211 | 55.3 | 36.4 | SW | [illegible] | | | 0 | 3 | StCu | SW | Clear | | | | 18 |
| 19 | 77.0 | 29.317 | .137 | 29.180 | 30.15 | 13.0 | 11.4 | 6 | 69 | .052 | 19.4 | 8.0 | NW | 9 | 25 | NW | T | 1 | ASt | NW | Clear | | | | 19 |
| 20 | 74.5 | 29.061 | .129 | 28.[illegible] | [illegible] | 38.0 | 32.0 | 23 | 57 | [illegible] | 41.2 | 20.2 | SW | [illegible] | [illegible] | [illegible] | 0 | 8 | ASt | NW | Cloudy | | | | 20 |
| 21 | 73.5 | 29.234 | .128 | [illegible] | [illegible] | 48.8 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | S | [illegible] | | | 0 | 10 | ASt | [illegible] | [illegible] | | | | 21 |
| 22 | 73.0 | 29.106 | .126 | 28.980 | [illegible] | 56.1 | 55.[illegible] | 55 | 97 | [illegible] | 56.1 | 46.0 | S | [illegible] | | | T | 10 | Nb | SW | Snow | Bt Lou [illegible] 7.31 | Bd Ont [illegible] 7.54 | | 22 |
| 23 | 72.5 | 29.330 | .125 | 29.205 | 30.14 | 33.8 | 30.8 | 27 | 72 | .143 | 35.6 | 32.8 | W | 7 | | | 0 | 0 | 0 | 0 | Clear | | | | 23 |
| 24 | 73.5 | 29.467 | .124 | 29.328 | 30.28 | 35.0 | 28.8 | 17 | 44 | .089 | 38.8 | 31.3 | NW | 3 | | | 0 | 2 | ASt | NW | Clear | | | | 24 |
| 25 | 72.0 | 29.242 | .124 | 29.118 | 30.06 | 40.0 | 37.0 | 33 | 76 | .187 | 54.9 | 38.3 | N | 10 | 31 | SW | 0 | 8 | StCu | SW | Cloudy | | | | 25 |
| 26 | 75.0 | 29.480 | .133 | 29.347 | 30.31 | 34.7 | 29.8 | 22 | 55 | .113 | 37.7 | 19.8 | SW | 5 | | | 0 | 0 | 0 | 0 | Clear | | | | 26 |
| 27 | 73.5 | 29.454 | .129 | 29.325 | 30.28 | 28.1 | 24.0 | 16 | 54 | .081 | 46.8 | 28.1 | NW | 8 | 30 | NW | 0 | 0 | 0 | 0 | Clear | | | | 27 |
| 28 | 73.0 | 29.627 | .128 | 29.499 | 30.47 | 17.0 | 13.4 | 0 | 42 | .038 | 22.4 | 12.0 | N | 8 | 34 | NW | T | 1 | Cu | NW | Clear | | | | 28 |
| 29 | 72.5 | 29.111 | .124 | 28.987 | 29.94 | 48.8 | 42.1 | 34 | 57 | .195 | 51.9 | 19.4 | W | 17 | 37 | SW | 0 | 9 | StCu | W | Cloudy | | | | 29 |
| 30 | 73.0 | 29.505 | .127 | 29.378 | 30.35 | 17.3 | 14.3 | 4 | 62 | .047 | 30.0 | 17.0 | NW | [illegible] | 30 | NW | T | 1 | Cu | W | Clear | | | | 30 |
| 31 | 79.0 | 29.726 | .144 | 29.581 | 30.56 | 20.0 | 18.0 | 13 | 70 | .074 | 21.4 | 10.8 | NW | 8 | | | T | 6 | Cu | NW | Pt. Cloudy | | | | 31 |
| Sums | (a) | (a) | (a) | 901.880 | 931.28 | 1108.1 | 993.5 | 812 | 2086 | 4776 | (a) | (a) | (a) | 293 | (a) | (a) | 1.06 | 166 | (a) | (a) | (a) | 1 | 1 | (a) | (a) |
| Means | (a) | (a) | (a) | 29.093 | 30.041 | 35.7 | 32.0 | 26.2 | 67.3 | .154 | (a) | (a) | (c) SW | 9.5 | (a) | (a) | (a) | 5.4 | U 2.3 Cu L Nb | U NW L SW NW | (a) | (a) | (a) | (a) | (a) | |

Observations are begun about 7.40 o'clock, 75th meridian time.

†By dial when self-register is out of order. ††T indicates trace of precipitation. U, upper clouds. L, lower clouds.

9—152

# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of March, 1923

| Date. | TEMPERATURE. Maximum (b) | Minimum (b) | Range (b) | Change (b) | Mean (max. and min.) (b) | Normal | Departure | Total excess or deficiency since 1st of month | PRECIPITATION. Character ‡ | Beginning | Ending | Character ‡ | Beginning | Ending | Character ‡ | Beginning | Ending | Character ‡ | Beginning | Ending | Total (mid. to mid.) (b) †† | Normal | Departure | Total excess or deficiency since 1st of month | Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡ | Snow unmelted. 7 p.m. to 7 p.m. *‡‡ | Hail, sleet, and snow on ground at 7 p.m. *‡‡ | Amount of precipitation from melted snow (mid. to mid.) | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | | | | | | | | | | | | | | | | In. | | | | In. | In. | In. | In. | |
| 1 | 41 | 32 | 9 | | 37 | | | | | | | | | | | | | | | | 0 | | | | 0 | T | 0 | 0 | 1 |
| 2 | 63 | 38 | 25 | | 50 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 2 |
| 3 | 57 | 45 | 12 | | 51 | | | | R | 4:40p | 11:45p | R | | | | | | | | | | | | | 0 | 0 | 0 | 0 | 3 |
| 4 | 59 | 38 | 21 | 7 | 49 | | | | R | Cont'd | DNA | R | | | | | | | | | | | | | | | | | 4 |
| 5 | 41 | 41 | 0 | 0 | 41 | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 | 0 | 5 |
| 6 | 3 | 23 | — | | 13 | | | | S^m | DNA | 11:55a | | | | | | | | | | .62 | | | | 0 | 5.2 | 3.2 | | 6 |
| 7 | 41 | 21 | 20 | 17 | 31 | | | | S^m | 5:30a | 7:02a | S^m | 8:00a | 8:36a | S^m | 1:03p | 2:59p | | | | .01 | | | | 0 | 0.6 | 0.4 | .01 | 7 |
| 8 | 35 | 15 | 20 | | 25 | | | | | | | | | | | | | | | | | | | | 0 | 0 | 4 | | 8 |
| 9 | 48 | 24 | 24 | | 36 | | | | R | 6:10p | Cont'd | | | | | | | | | | .24 | | | | | 0 | | | 9 |
| 10 | 45 | 32 | 13 | | 39 | | | | R | Cont'd | DNA | | | | | | | | | | .12 | | | | 0 | 0 | 0 | 0 | 10 |
| 11 | 43 | 31 | 12 | | 37 | | | | R | 6:35a | | | | | | | | | | | | | | | 0 | 0 | | | 11 |
| 12 | 52 | 33 | 19 | | 43 | | | | R | Cont'd | 10:35a | R | 11:55a | | | | | | | | | | | | | | | | 12 |
| 13 | 54 | 34 | 20 | | 44 | | | | S^m | DNA | 10:15a | S^m | 12:2 | | | | | | | | .04 | | | | 0 | 0.4 | 0.3 | | 13 |
| 14 | 41 | 41 | 0 | | 41 | | | | S^d | 9:02a | 10:09a | | | | | | | | | | T | | | | 0 | T | 0.2 | T | 14 |
| 15 | 50 | 24 | 26 | 2 | 38 | | | | R | 12:52p | Cont'd | | | | | | | | | | .10 | | | | 0 | 0 | 0 | 0 | 15 |
| 16 | 55 | 22 | 33 | 1 | 39 | | | | R | Cont'd | DNA | S^m | 7:10a | 8:20a | | | | | | | .41 | | | | 0 | T | 0 | T | 16 |
| 17 | 45 | 35 | 10 | 6 | 40 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 17 |
| 18 | 63 | 39 | 24 | 18 | 51 | | | | S^m | 9:30p | DNP | | | | | | | | | | .01 | | | | 0 | 0 | 0 | 0 | 18 |
| 19 | 37 | 31 | 6 | 14 | 34 | | | | S^d | 11:45a | 2:08p | | | | | | | | | | T | | | | 0 | 0.1 | T | T | 19 |
| 20 | 41 | 31 | 10 | 7 | 36 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 20 |
| 21 | 41 | 31 | 10 | 5 | 36 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 21 |
| 22 | 57 | 38 | 19 | 4 | 48 | | | | R | DNA | DNA | R | 5:00p | 7:35p | | | | | | | .20 | | | | 0 | 0 | 0 | 0 | 22 |
| 23 | 38 | 30 | 8 | 14 | 34 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 23 |
| 24 | 37 | 30 | 7 | 0 | 34 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 24 |
| 25 | 60 | 26 | 34 | 9 | 43 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 25 |
| 26 | 38 | 20 | 18 | 17 | 29 | | | | S^d | 6:26a | 6:32a | | | | | | | | | | T | | | | 0 | T | 0 | T | 26 |
| 27 | 46 | 24 | 22 | 6 | 35 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 27 |
| 28 | 26 | 14 | 12 | 22 | 20 | | | | S^d | 6:32a | 6:33a | S^d | 7:07a | 7:10a | | | | | | | T | | | | 0 | T | 0 | T | 28 |
| 29 | 52 | 13 | 39 | 12 | 32 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 29 |
| 30 | 36 | 15 | 21 | 6 | 26 | | | | S^d | 3:00p | 3:19p | S^d | 4:50p | 5:00p | | | | | | | T | | | | 0 | T | T | T | 30 |
| 31 | 21 | 7 | 14 | 11 | 14 | | | | S^d | 11:53a | 12:40a | | | | | | | | | | T | | | | 0 | T | 0 | T | 31 |
| S | 1338 | 763 | 575 | 240 | 1049 | | Total excess or deficiency since January 1, | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | 3.65 | | Total excess or deficiency since January 1, | | 0 | 6.3 | (a) | (a) | (a) |
| M | 43.2 | 24.6 | 18.5 | 7.7 | 33.8 | (a) | | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | | | (a) | (a) | (a) | (a) | (a) | (a) |

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, S^d—dry snow, S^m—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.

Corrected



8—154

# SUMMARY FOR THE MONTH OF DECEMBER, 1923

The 8 a. m. and 8 p. m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

## PRESSURE.

(Correction to reduce to a 24-hour mean -.005.)

### STATION.

| Mean. 8 a. m. | Mean. 8 p. m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 29.097 | 29.093 | 29.095 | 29.610 | 31 | 28.160 | 12 | 1.450 |
| Corrected mean | | 29.090 | | | | | |

### REDUCED.

| Mean. 8 a. m. | Mean. 8 p. m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 30.045 | 30.041 | 30.043 | 30.59 | 31 | 29.06 | 12 | 1.53 |
| Corrected mean | | 30.038 | | | | | |

## TEMPERATURE.

### MEAN.

| Dry. 8 a. m. | Dry. 8 p. m. | Dry. (8+8)÷2 (g) | Wet. 8 a. m. | Wet. 8 p. m. | Wet. Monthly. (g) | Max. | Min. | Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 30.0 | 35.7 | 32.8 | 28.0 | 32.0 | 30.0 | 43.2 | 24.6 | 33.9 |

| Highest. (i) | Date. (i) | Lowest. (i) | Date. (i) | Absolute range. | Greatest daily range. (i) | Date. (i) | Least daily range. (i) | Date. (i) |
|---|---|---|---|---|---|---|---|---|
| 63 | 2 | 7 | 19 | 56 | 41 | 18 | 3 | 6 |

| Dew-point. 8 a. m. | Dew-point. 8 p. m. | Dew-point. Monthly. (g) | Relative Humidity. 8 a. m. | Relative Humidity. 8 p. m. | Relative Humidity. Monthly. (g) | Vapor Pressure. 8 a. m. | Vapor Pressure. 8 p. m. | Vapor Pressure. Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 24.4 | 26.2 | 25.3 | 78.5 | 67.3 | 72.9 | .139 | .154 | .146 |

Number of days with—(j)

| Maximum. 32° or below. | Maximum. 90° or above. | Minimum. 32° or below. | Minimum. Zero or below. |
|---|---|---|---|
| 6 | 0 | 27 | 0 |

CLOUDS.

Most frequent clouds St. Cu.

Most frequent direction upper clouds NW

Most frequent direction lower clouds NW

## WIND.

| Total movement (mid. to mid.). | Average hourly velocity. | Prevailing direction. (p) | Maximum velocity. (r) | Direction. (r) | Date. (r) |
|---|---|---|---|---|---|
| 9347 | 12.6 | SW | 56 | SW | 12th |

Number of Times Wind Observed from the—

| N. | NE. | E. | SE. | S. | SW. | W. | NW. | Calm. |
|---|---|---|---|---|---|---|---|---|
| 5 | 1 | 4 | 4 | 9 | 16 | 10 | 13 | 0 |

## WEATHER.

| Mean Cloudiness. 8 a. m. | 8 p. m. | Monthly. (t) | Sunshine. Percentage of possible. | Number of Days. Clear. | Partly cloudy. | Cloudy. | Number of Days with Precipitation (Mid. to Mid.). Clear. (u) | Partly cloudy. (u) | Cloudy. (u) |
|---|---|---|---|---|---|---|---|---|---|
| 6.4 | 5.4 | 6.5 | 52 | 7 | 10 | 14 | 1 | 4 | 8 |

(9)

## MISCELLANEOUS PHENOMENA.

DATES OF—(MIDNIGHT TO MIDNIGHT).

| Frosts. Light. | Heavy. | Killing. | Thunderstorms. (v) | Winds. (40 miles or over.) | Solar Halos. | Lunar Halos. | Fog. Light. | Fog. Dense. | Haze. Light. | Haze. Dense. | Smoke. Light. | Smoke. Dense. | Hail. | Aurora. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| None recorded | | | 11th | 4th, 12th | 21st | 0 | 22nd | 22nd | 0 | 0 | 0 | 0 | 0 | 0 |

## PRECIPITATION (in inches and hundredths). (m)

| Total amount. | Greatest Amount in 24 Consecutive Hours. Amt. | Greatest Amount in 24 Consecutive Hours. Date. (k) | Excessive. 2.50 Inches in 24 Hours. (l) * Amt. | Duration. h. m. | Date. (k) | 1 Inch per Hour. (l) Amt. | Duration. h. m. | Date. (k) |
|---|---|---|---|---|---|---|---|---|
| 3.65 | 1.51 | 15-16 | 0 | | | 0 | | |

Number of days with—(Mid. to Mid.).

| Trace. | .01 or more. | .04 or more. | .25 or more. | 1.00 or more. | Total. | Snow. Trace or more. | Snow. .01 or more melted. |
|---|---|---|---|---|---|---|---|
| 6 | 13 | 10 | 5 | 1 | 19 | 11 | 4 |

Snow.

| Total Depth. (o) | Average Depth at End of Month. |
|---|---|
| 6.3 | 0 |

(w) Maximum precipitation in 5 minutes —, date —; 10 minutes —, date —; 15 minutes —, date —;

30 minutes —, date —; 1 hour —, date —; 2 hours —, date —.

## EXCESSIVE.

| Date. | Total Duration. From— | Total Duration. To— | Total amount of precipitation. | Excessive Rate. Began— | Excessive Rate. Ended— | Amt. before excessive began. |
|---|---|---|---|---|---|---|
| | Automatic raingage not used during the month. | | | | | |

Accumulated Depths During Excessive Rate for Consecutive Periods of Time Indicated Below.

| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

* The duration is the time precipitation was actually recorded.

8—154

Prepared by CCS

C. M. Strong, Meteorologist, Weather Bureau.

*ORIGINAL MONTHLY RECORD OF OBSERVATIONS at* [illegible], *for the Month of* [illegible], 192[illegible]

*Number of Station barometer,* 656; *sum of corrections,* [illegible] *inch.*

SPECIAL OBSERVATIONS.

| Date. | Time. 75th mer. | Time. Local (standard). | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) | Barometer. Reduced to sea-level. | Thermometers. Dry. | Thermometers. Wet. | Dew-point. | Depression of the dew-point. | Relative humidity. | Maximum thermometer. | Wind. Direction. | Wind. Velocity. † | Wind. Max. since last observation. | Wind. Direction. | Precipitation. †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Special Phenomena. | Initials of Observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19" | 12 00 Noon | 11 00 a.m. | 28.5 | 29.391 | .129 | 29.262 | 30.22 | 35.0 | 31.0 | 25 | 10 | 64 | 35.0 | SW | 21 | 21 | SW | 0 | 0 | 0 | 0 | Clear | Approx. of Chicago Low Pr. to Chicago | [illegible] | 19" |
| 18" | 12 00 Noon | 11 00 a.m. | 28.0 | 29.200 | .132 | 29.068 | 30.01 | 41.0 | 37.0 | 28 | [illegible] | 47 | 42.8 | SW | [illegible] | | | 0 | 4 | Cirst | W | Pt. Cloudy | | [illegible] | 18" |
| | | | | | | | | Extremes of pressure | | | | | | | | | | | | | | | | | |
| 12" | 4 00 am | 3 00 am | | | | 28.160 | 29.06 | 51.0 | | | | | | | | | | | | | | | | | 12" |
| 31" | 11 00 am | 10 00 am | | | | 29.610 | 30.59 | 17.0 | | | | | | | | | | | | | | | | | 31" |

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation.



8—15½

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of MAR - - 1923, 192

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

| DATE. | N. | | NE. | | E. | | SE. | | S. | | SW. | | W. | | NW. | | CALM. | | TOTAL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. |
| 1 | | | | | | | | | 18 | 1 | 156 | 11 | 118 | 10 | 24 | 2 | | | 316 | 24 |
| 2 | | | | | | | | | | | 417 | 24 | | | | | | | 417 | 24 |
| 3 | 3 | 1 | 10 | 2 | 4 | 1 | 46 | 10 | 11 | 1 | 84 | 6 | 25 | 3 | | | | | 183 | 24 |
| 4 | | | | | | | | | 11 | 1 | 135 | 6 | 135 | 4 | 217 | 13 | | | 498 | 24 |
| 5 | 33 | 7 | 10 | 2 | 32 | 4 | 12 | 3 | 5 | 1 | 19 | 3 | | | 18 | 4 | | | 129 | 24 |
| 6 | 38 | 5 | 70 | 6 | 91 | 10 | | | | | | | 7 | 1 | 12 | 2 | | | 218 | 24 |
| 7 | | | | | | | | | | | 6 | 1 | 247 | 18 | 66 | 5 | | | 319 | 24 |
| 8 | | | | | | | 18 | 5 | | | 51 | 9 | 53 | 10 | | | | | 122 | 24 |
| 9 | | | | | | | 159 | 16 | 33 | 2 | 123 | 6 | | | | | | | 315 | 24 |
| 10 | | | | | | | | | | | 74 | 8 | 78 | 6 | 128 | 10 | | | 280 | 24 |
| 11 | | | | | 159 | 9 | 38 | 6 | 29 | 4 | 19 | 5 | | | | | | | 245 | 24 |
| 12 | | | | | 38 | 2 | 14 | 1 | | | 364 | 12 | 121 | 6 | 36 | 3 | | | 573 | 24 |
| 13 | 49 | 8 | 3 | 2 | | | 3 | 1 | 8 | 2 | 6 | 1 | | | 90 | 10 | | | 159 | 24 |
| 14 | | | | | 27 | 3 | 19 | 4 | | | 25 | 4 | 96 | 10 | 32 | 3 | | | 199 | 24 |
| 15 | | | | | 128 | 10 | 135 | 13 | 18 | 1 | | | | | | | | | 281 | 24 |
| 16 | | | | | | | | | 51 | 2 | 29 | 1 | 335 | 18 | 34 | 3 | | | 449 | 24 |
| 17 | | | | | | | | | 220 | 20 | 29 | 3 | 7 | 1 | | | | | 256 | 24 |
| 18 | | | | | | | | | 111 | 11 | 113 | 9 | 20 | 1 | 59 | 3 | | | 303 | 24 |
| 19 | | | | | | | | | | | 25 | 3 | 15 | 2 | 311 | 19 | | | 351 | 24 |
| 20 | | | | | | | | | 171 | 9 | 263 | 15 | | | | | | | 434 | 24 |
| 21 | | | | | | | | | 130 | 9 | 209 | 15 | | | | | | | 339 | 24 |
| 22 | | | | | | | | | 69 | 7 | 164 | 14 | 55 | 3 | | | | | 288 | 24 |
| 23 | | | | | | | | | | | 23 | 3 | 49 | 6 | 152 | 15 | | | 224 | 24 |
| 24 | | | | | 10 | 3 | 4 | 1 | | | 54 | 5 | 46 | 4 | 142 | 11 | | | 256 | 24 |
| 25 | 20 | 2 | 71 | 5 | 20 | 4 | 5 | 1 | 47 | 4 | 157 | 8 | | | | | | | 320 | 24 |
| 26 | 28 | 4 | 79 | 8 | | | | | | | 38 | 5 | 10 | 2 | 31 | 5 | | | 186 | 24 |
| 27 | | | | | | | | | | | 116 | 9 | 42 | 3 | 212 | 12 | | | 370 | 24 |
| 28 | 21 | 4 | 3 | 1 | | | | | | | 12 | 1 | 15 | 1 | 340 | 17 | | | 391 | 24 |
| 29 | | | 3 | 1 | 8 | 2 | 22 | 3 | 88 | 5 | 162 | 7 | 29 | 3 | 34 | 3 | | | 346 | 24 |
| 30 | 31 | 3 | | | | | | | | | | | 8 | 1 | 345 | 20 | | | 384 | 24 |
| 31 | 88 | 9 | | | | | | | | | | | 3 | 1 | 105 | 14 | | | 196 | 24 |
| Sum. | 311 | 43 | 249 | 27 | 517 | 48 | 475 | 64 | 1020 | 80 | 2873 | 194 | 1514 | 114 | 2388 | 174 | 0 | 0 | 9347 | 744 |
| Percentage | 3 | 6 | 3 | 4 | 5 | 6 | 5 | 9 | 11 | 11 | 31 | 26 | 16 | 15 | 26 | 23 | 0 | 0 | a | a |
| Avg. Hourly Velocity | 7.2 | a | 9.2 | a | 10.8 | a | 7.4 | a | 12.8 | a | 14.8 | a | 13.3 | a | 13.7 | a | 0 | a | 12.6 | a |

8—154

Form No. 1001—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE,

## WEATHER BUREAU.

# ORIGINAL MONTHLY RECORD

## OF

# OBSERVATIONS

## AT

Fort Wayne, Ind.

*For the Month of* ..... , 1923

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, .....; No. of wet thermometer in use, .....; No. of maximum thermometer in use, .....; No. of minimum thermometer in use, .....

†Elevation above ground of the dry thermometer, ..... feet; rain gage, ..... feet; anemometer, ..... feet.

If the office has been moved during the month, give date .....; amount of change in height of barometer, ..... feet (higher or lower).

No. of extra barometer, 675; sum of corrections, -.017; date and observation upon which use of station barometer commenced, May 20, 1911 7:00 a.m., station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Corner of Berry and Calhoun street, room 911-912 Shroff Building; first observation taken in present office, 7:00 a.m. May 20, 1911.

*Cancel words that are not appropriate. †To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months. 8—154

*ORIGINAL MONTHLY RECORD OF OBSERVATIONS at* Fort Wayne, Ind., *for the Month of* Sept., *1923*

*Number of Station barometer,* 6576; *sum of corrections,* −.002 *inch.*

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 A. M. 90th MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 A. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-reg. ther's. Max. (b) | Self-reg. ther's. Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 a. m. (b) †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | | Initials of observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | |
| 1 | 72.5 | 29.703 | .127 | 29.626 | 30.61 | 21.0 | 19.0 | 14 | 71 | .077 | 21.0 | 17.7 | S | 8 | | | 0 | 7 | AST | W | Pt. Cloudy | | CCB | 1 |
| 2 | 74.0 | 29.399 | .130 | 29.269 | 30.22 | 43.2 | 35.0 | 22 | [illegible] | [illegible] | 43.2 | 37.5 | SW | 13 | | | 0 | 7 | C.ST | NW | Pt. Cloudy | | [illegible] | 2 |
| 3 | 74.0 | 29.110 | .128 | 28.982 | 29.91 | 47.3 | 44.0 | 41 | 77 | .256 | 57.0 | 46.0 | S | 13 | | | T | 10 | St | S | Cloudy | | [illegible] | 3 |
| 4 | 76.0 | 29.219 | .132 | 29.087 | 30.03 | 53.2 | 52.6 | 52 | 96 | .180 | 50.0 | 53.2 | NE | 13 | | | T | 10 | St | NE | Cloudy | | [illegible] | 4 |
| 5 | 73.5 | 28.881 | .127 | 28.754 | 29.69 | 53.2 | 52.9 | 83 | 92 | .187 | 56.0 | 53.0 | NE | 7 | | | .11 | 10 | Nb | NE | Lt. rain | | [illegible] | 5 |
| 6 | 73.5 | 29.353 | .128 | 29.225 | 30.16 | 51.0 | 48.2 | 23 | 71 | .118 | 40.7 | 28.4 | SW | 8 | | | 0 | 0 | 0 | 0 | Clear | | [illegible] | 6 |
| 7 | 74.0 | 29.172 | .129 | 29.043 | 29.99 | 46.0 | 40.3 | 33 | 61 | .187 | 53.6 | 41.9 | S | 14 | | | 0 | 3 | Cu | SW | Clear | | [illegible] | 7 |
| 8 | 66.0 | 29.049 | .102 | 28.942 | 29.87 | 47.0 | 45.0 | 21 | 76 | .108 | 62.2 | 27.0 | NW | 19 | 38 | W | .04 | 10 | Nb | NW | Lt. Snow | | [illegible] | 8 |
| 9 | 72.5 | 29.303 | .125 | 29.178 | 30.12 | 51.9 | 26.0 | 13 | 42 | .094 | 33.8 | 27.6 | SE | 5 | | | 0 | 1 | Cu | SE | Clear | | [illegible] | 9 |
| 10 | 71.5 | 29.314 | .122 | 29.192 | 30.13 | 36.0 | 34.2 | 31 | 84 | .172 | 37.1 | 36.2 | W | 10 | | | T | 10 | St Cu | NW | Cloudy | | [illegible] | 10 |
| 11 | 71.5 | 29.387 | .123 | 29.264 | 30.20 | 47.0 | 39.2 | 27 | 48 | .155 | 48.0 | 42.1 | SW | 18 | | | 0 | 10 | St Cu | W | Cloudy | | [illegible] | 11 |
| 12 | 73.5 | 29.511 | .129 | 29.382 | 30.34 | 31.0 | 28.6 | 24 | 75 | .124 | 40.0 | 27.5 | SE | 7 | | | 0 | 0 | 0 | 0 | Clear | | [illegible] | 12 |
| 13 | 75.0 | 29.149 | .132 | 29.017 | 29.95 | 43.0 | 37.9 | 31 | 62 | .172 | 58.1 | 43.0 | E | 17 | | | 0 | 10 | St | E | Cloudy | | [illegible] | 13 |
| 14 | 74.5 | 29.114 | .129 | 28.985 | 29.93 | 32.2 | 29.0 | 24 | 68 | .124 | 40.1 | 30.4 | NE | 25 | 31 | NE | 0 | 10 | St | NE | Cloudy | | [illegible] | 14 |
| 15 | 70.5 | 29.059 | .119 | 28.940 | 29.89 | 38.4 | 36.3 | 33 | 83 | .187 | 38.4 | 33.2 | S | 22 | | | .02 | 8 | Cu | SW | Cloudy | | [illegible] | 15 |
| 16 | 70.0 | 29.215 | .118 | 29.097 | 30.03 | 33.4 | 32.0 | 30 | 86 | .164 | 34.8 | 32.9 | [illegible] | [illegible] | | | T | 3 | St | NW | Clear | | [illegible] | 16 |
| 17 | 72.5 | 29.307 | .125 | 29.182 | 30.12 | 35.0 | 30.0 | 22 | 56 | .113 | 44.0 | 31.9 | N | 4 | | | T | 2 | ACu | W | Clear | | [illegible] | 17 |
| 18 | 73.0 | 29.241 | .126 | 29.115 | 30.06 | 41.0 | 34.8 | 26 | 62 | .136 | 43.0 | 33.5 | W | 13 | | | 0 | 5 | ACu | N | Pt. Cloudy | | [illegible] | 18 |
| 19 | 74.0 | 29.229 | .129 | 29.100 | 30.03 | 48.0 | 42.3 | 36 | 62 | .211 | 56.7 | 42.4 | SW | 14 | | | 0 | 0 | 0 | 0 | Clear | | [illegible] | 19 |
| 20 | 73.0 | 29.078 | .125 | 28.953 | 29.87 | 55.0 | 47.8 | 41 | 59 | .256 | 67.0 | 51.0 | SW | 15 | | | 0 | 2 | AST | NW | Clear | | [illegible] | 20 |
| 21 | 75.0 | 28.833 | .130 | 28.703 | 29.62 | 62.0 | 52.4 | 44 | 52 | .287 | 70.0 | 57.1 | SE | 11 | | | T | 3<br>6 | AST<br>Cu | W<br>S | Cloudy | | [illegible] | 21 |
| 22 | 68.0 | 28.994 | .112 | 28.862 | 29.79 | 49.3 | 46.0 | 43 | 78 | .277 | 54.0 | 48.0 | SW | 22 | | | .03 | 10 | St | SW | Cloudy | | [illegible] | 22 |
| 23 | 66.5 | 29.213 | .109 | 29.104 | 30.03 | 49.0 | 47.0 | 45 | 87 | .298 | 52.7 | 44.1 | NW | 4 | | | 0 | 5 | AST | N | Pt. Cloudy | | [illegible] | 23 |
| 24 | 67.5 | 29.420 | .113 | 29.307 | 30.25 | 42.0 | 38.0 | 33 | 70 | .187 | 56.2 | 36.3 | E | 12 | | | 0 | 4 | C.ST | W | Pt. Cloudy | | [illegible] | 24 |
| 25 | 71.0 | 29.510 | .122 | 29.388 | 30.33 | 46.0 | 39.5 | 31 | 56 | .172 | 57.0 | 38.9 | N | 4 | | | 0 | 0 | 0 | 0 | Clear | | [illegible] | 25 |
| 26 | 71.0 | 29.342 | .121 | 29.221 | 30.15 | 49.2 | 40.3 | 28 | 44 | .150 | 62.0 | 44.6 | E | 2 | | | 0 | 9 | AST | W | Cloudy | | [illegible] | 26 |
| 27 | 72.0 | 29.097 | .123 | 28.974 | 29.89 | 57.7 | 46.1 | 33 | 39 | .187 | 65.0 | 51.0 | SW | 11 | | | 0 | 8<br>4 | ACu<br>AST | W<br>W | Cloudy | | [illegible] | 27 |
| 28 | 71.5 | 28.733 | .121 | 28.612 | 29.55 | 49.4 | 44.0 | 38 | 66 | .223 | 63.8 | 45.4 | N | 6 | | | .19 | 2 | Cu | SW | Pt. Cloudy | | [illegible] | 28 |
| 29 | 70.0 | 28.915 | .118 | 28.797 | 29.71 | 48.0 | 42.0 | 35 | 60 | .203 | 58.0 | 42.3 | NW | 6 | | | 0 | 0 | 0 | 0 | Clear | | C.O.S | 29 |
| 30 | 67.0 | 29.036 | .110 | 28.926 | 29.86 | 51.2 | 45.0 | 38 | 62 | .228 | 53.1 | 44.6 | W | 9 | | | 0 | 0 | 0 | 0 | Clear | | [illegible] | 30 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | 31 |
| Sums | (a) | (a) | | 872.427 | 900.48 | 1257.6 | 1156 | 927 | 1980 | 5.333 | (a) | (a) | (a) | 339 | (a) | (a) | 0.39 | 169 | (a) | (a) | (a) | | (a) | |
| Means | (a) | (a) | | 29.081 | 30.016 | 41.9 | 37.2 | 30.9 | 66.0 | .178 | (a) | (a) | (c) SW | 11.3 | (a) | (a) | (a) | 5.6 | U Cu St<br>L St. | U W<br>L S W | (a) | | (a) | |

Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

U, upper clouds. L, lower clouds.

8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of [illegible], 192[illegible]

Number of Station barometer, 656; sum of corrections, −.009 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:30 P. M. 90° MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; [illegible] P. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-reg. ther's. Max. (b) | Self-reg. ther's. Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 p. m. (b) †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Fog, Mid. to Mid. (local standard time). Light. (f) | Fog, Mid. to Mid. (local standard time). Dense. (f) | Initials of observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | | |
| 1 | 76.0 | 29.476 | .135 | 29.341 | 30.30 | 39.0 | 31.0 | 16 | 37 | .088 | 44.8 | 2[illegible] | [illegible] | [illegible] | | | 0 | [illegible] | AST | VV | Cloudy | | | [illegible] | 1 |
| 2 | 74.0 | 29.224 | .129 | 29.095 | 30.03 | 57.0 | 45.0 | 31 | 36 | .152 | 63.0 | 43.2 | [illegible] | 6 | 31 | SW | T | 2 | 1ST ST | SW 3 | Pt. Cloudy | | | [illegible] | 2 |
| 3 | 76.0 | 29.088 | .131 | 28.957 | 29.89 | 50.0 | 47.9 | 46 | 86 | .310 | 56.4 | 47.3 | NW | 9 | | | .22 | 10 | Nb | NW | Sprinkling | | | [illegible] | 3 |
| 4 | 77.5 | 29.068 | .137 | 28.[illegible] | 29.[illegible] | 56.0 | 55.5 | [illegible] | 9[illegible] | [illegible] | 56.4 | 52.8 | [illegible] | [illegible] | | | .18 | 10 | Nb | NE | Sprinkling | 8:[illegible] a<br>10:[illegible] a<br>1:[illegible] p<br>[illegible] p | | [illegible] | 4 |
| 5 | 77.0 | 29.100 | .136 | 28.964 | 29.91 | 40.7 | 32.6 | 34 | 76 | .195 | 41.8 | 32.4 | NW | 7 | 28 | NE | .40 | 0 | 0 | 0 | Clear | | | [illegible] | 5 |
| 6 | 75.5 | 29.272 | .133 | 29.139 | 30.08 | 53.0 | 46.0 | 39 | 58 | .237 | 57.9 | 31.0 | SW | 10 | | | 0 | 1 | St | SW | Clear | | | [illegible] | 6 |
| 7 | 76.0 | 28.767 | .132 | 28.635 | 29.55 | 61.9 | 51.9 | 43 | 50 | .277 | 68.4 | 46.0 | SW | 17 | 40 | SW | T | 10 | St | SW | Cloudy | | | [illegible] | 7 |
| 8 | 93.0 | 29.297 | .126 | 29.151 | 30.10 | 33.8 | 27.3 | 14 | 40 | .077 | 37.6 | 27.0 | NW | 6 | | | T | 2 | AST | W | Clear | | | [illegible] | 8 |
| 9 | 94.0 | 27.283 | .128 | 27.[illegible] | 28.[illegible] | 35.6 | 34.4 | 34 | 93 | [illegible] | 44.8 | 2[illegible] | SE | [illegible] | | | T | 10 | Nb | S | Sprinkling | | | [illegible] | 9 |
| 10 | 94.0 | 29.435 | .130 | 29.305 | 30.29 | 48.0 | 40.0 | 30 | 48 | .164 | 50.6 | 33.0 | SW | 6 | | | 0 | 0 | 0 | 0 | Clear | | | [illegible] | 10 |
| 11 | 93.5 | 29.505 | .129 | 29.376 | 30.33 | 40.0 | 35.4 | 27 | 63 | .157 | 58.2 | 40.0 | N | 8 | 28 | W | T | 8 | AST | W | Cloudy | | | [illegible] | 11 |
| 12 | 76.0 | 29.258 | .134 | 29.124 | 30.06 | 58.1 | 50.0 | 43 | 56 | .277 | 64.1 | 31.0 | NE | 7 | | | 0 | 8 | AST | NW | Cloudy | | | [illegible] | 12 |
| 13 | 74.0 | 29.123 | .128 | 28.995 | 29.94 | 40.1 | 35.8 | 30 | 66 | .164 | 46.0 | 43.[illegible] | NE | 20 | 28 | NE | 0 | 10 | St | NE | Cloudy | | | [illegible] | 13 |
| 14 | 72.0 | 29.081 | .123 | 28.958 | 29.91 | 34.0 | 34.0 | 34 | 100 | .195 | 36.3 | 32.2 | NE | 7 | 30 | NE | .10 | 10 | Nb | NE | Lt. Rain | | | [illegible] | 11 |
| 15 | 91.0 | 27.133 | .121 | 27.[illegible] | 29.[illegible] | 37.8 | 36.8 | 33 | 76 | .189 | 44.6 | 31.[illegible] | SW | [illegible] | 32 | SW | T | 10 | St Cu | W | Cloudy | | | [illegible] | 15 |
| 16 | 93.5 | 29.247 | .128 | 29.119 | 30.06 | 44.0 | 36.8 | 27 | 49 | .143 | 48.9 | 33.4 | W | 4 | | | T | 10 | St Cu | NW | Cloudy | | | [illegible] | 16 |
| 17 | 76.5 | 29.308 | .136 | 29.172 | 30.[illegible] | 43.0 | 35.7 | 26 | 47 | .130 | 46.4 | 35.0 | NW | 8 | | | 0 | 3 | AST | NW | Clear | | | [illegible] | 17 |
| 18 | 75.5 | 29.241 | .133 | 29.108 | 30.04 | 56.7 | 45.7 | 33 | 41 | .187 | 62.3 | 41.0 | NW | 2 | 28 | NW | 0 | 0 | 0 | 0 | Clear | | | [illegible] | 18 |
| 19 | 76.0 | 27.041 | .125 | 28.[illegible] | 29.[illegible] | 67.0 | 52.2 | 38 | 35 | .220 | 74.7 | 48.0 | SW | [illegible] | 30 | [illegible] | 0 | 0 | 0 | 0 | Clear | | | [illegible] | 19 |
| 20 | 75.0 | 28.964 | .131 | 28.833 | 29.74 | 70.0 | 54.5 | 41 | 36 | .256 | 77.8 | 55.0 | S | 9 | | | 0 | 2 | AST | NW | Clear | | | [illegible] | 20 |
| 21 | 92.5 | 28.844 | .124 | 28.[illegible] | 29.6[illegible] | 54.0 | 48.3 | 43 | 66 | .277 | 74.3 | 52.[illegible] | SW | 28 | [illegible] | [illegible] | .13 | 10 | St Cu | SW | Cloudy | | | [illegible] | 21 |
| 22 | 67.5 | 27.138 | .117 | 29.02[illegible] | 29.[illegible] | 52.7 | 48.8 | 45 | 76 | .278 | 58.2 | 47.3 | NW | [illegible] | | | 0 | 4 | AST | NW | Pt. Cloudy | | | [illegible] | 22 |
| 23 | 72.5 | 29.281 | .125 | 29.156 | 30.09 | 56.2 | 46.2 | 35 | 45 | .203 | 64.1 | 49.0 | NE | 17 | | | 0 | 3 | AST | NW | Clear | | | [illegible] | 23 |
| 24 | 78.5 | 29.416 | .129 | 29.287 | 30.23 | 57.0 | 46.0 | 34 | 41 | .195 | 61.0 | 42.0 | NE | 9 | | | 0 | 0 | 0 | 0 | Clear | | | [illegible] | 24 |
| 25 | 94.0 | 29.375 | .130 | 29.245 | 30.17 | 62.0 | 46.5 | 28 | 27 | .150 | 65.0 | 46.0 | N | 4 | | | 0 | 2 | Cu | N | Clear | | | [illegible] | 25 |
| 26 | 94.0 | 29.172 | .129 | 29.043 | 29.[illegible] | 63.0 | 48.0 | 28 | 25 | .150 | 67.6 | 42.2 | E | 4 | | | 0 | 4<br>1 | Cirst<br>St | W<br>E | Pt. Cloudy | | | [illegible] | 26 |
| 27 | 93.5 | 28.930 | .127 | 28.803 | 29.71 | 63.8 | 53.3 | 45 | 50 | .298 | 75.2 | 57.7 | N | 10 | | | 0 | 10 | St | N | Cloudy | | | [illegible] | 27 |
| 28 | 96.0 | 28.910 | .133 | 28.777 | 29.69 | 58.0 | 46.2 | 33 | 39 | .187 | 64.0 | 49.4 | NW | 10 | | | 0 | 1 | St | NW | Clear | | | [illegible] | 28 |
| 29 | 91.5 | 28.743 | .121 | 28.622 | 29.[illegible] | 53.1 | 45.0 | 36 | 52 | .211 | 60.4 | 46.0 | [illegible] | [illegible] | 26 | NW | 0 | Few | Cu | NW | Clear | | | [illegible] | 29 |
| 30 | 72.0 | 29.078 | .123 | 28.955 | 29.89 | 63.3 | 50.0 | 37 | 37 | .219 | 70.0 | 51.2 | N | 7 | 25 | NW | 0 | 2 | a st | W | clear | | | [illegible] | 30 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 31 |
| Sums | | (a) | (a) | 871.170 | 899.20 | 1532 | 1292.3 | 1019 | 1645 | 6027 | (a) | (a) | (a) | 304 | (a) | (a) | 1.03 | 156 | (a) | (a) | (a) | 1 | 0 | (a) | (a) |
| Means | | (a) | (a) | 29.039 | 29.973 | 51.1 | 43.1 | 34.0 | 54.8 | .201 | (a) | (a) | (c) NW | 10.1 | (a) | (a) | (a) | 5.2 | U AST L St. | U NW-NW L NW | (a) | (a) | (a) | (a) | (a) |

Observations are begun about 7.40 o'clock, 75th meridian time.

†By dial when self-register is out of order.

††T indicates trace of precipitation.

U, upper clouds. L, lower clouds.

8—154

# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of ....., 192

| Date. | TEMPERATURE. Maximum (b) | Minimum (b) | Range (b) | Change (b) | Mean (max. and min.) (b) | Normal | Departure | Total excess or deficiency since 1st of month | PRECIPITATION. Character ‡ | Beginning | Ending | Character ‡ | Beginning | Ending | Character ‡ | Beginning | Ending | Character ‡ | Beginning | Ending | Total (mid. to mid.) (b) †† | Normal | Departure | Total excess or deficiency since 1st of month | Hail and sleet unmelted. ‡‡ p.m. to ‡‡ p.m. * | Snow unmelted. ‡‡ p.m. to ‡‡ p.m. * | Hail, sleet, and snow on ground at ‡‡ p.m. * | Amount of precipitation from melted snow (mid. to mid.) | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | | | | | | | | | | | | | | | | In. | | | | In. | In. | In. | In. | |
| 1 | 42 | 18 | 24 | 15 | 30 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 1 |
| 2 | 63 | 38 | 25 | 20 | 50 | | | | R | 12:40p | 12:44p | R | 9:23p | 9:32p | | | | | | | T | | | | 0 | 0 | 0 | 0 | 2 |
| 3 | 56 | 37 | 19 | 4 | 46 | | | | R | DNA | 6:28a | R | 7:15a | 7:40p | | | | | | | .22 | | | | 0 | 0 | 0 | 0 | 3 |
| 4 | 37 | 33 | 4 | 11 | 35 | | | | R | 11:46a | 7:30p | | | | | | | | | | .18 | | | | 0 | 0 | 0 | 0 | 4 |
| 5 | 42 | 32 | 10 | 2 | 37 | | | | R | DNA | 10:20a | S$^{m}$ | 12:30p | 3:33p | | | | | | | .51 | | | | 0 | T | 0 | T | 5 |
| 6 | 58 | 28 | 30 | 6 | 43 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 6 |
| 7 | 68 | 42 | 26 | 12 | 55 | | | | R | 5:20p | 6:30p | R | 11:29p | Cont'd | | | | | | | .01 | | | | 0 | 0 | 0 | 0 | 7 |
| 8 | 48 | 27 | 21 | 17 | 38 | | | | R | Cont'd | DNA | S$^{m}$ | 6:15a | 11:08a | | | | | | | .03 | | | | 0 | T | 0 | T | 8 |
| 9 | 45 | 28 | 17 | 2 | 36 | | | | S$^{m}$ | 2:01p | 2:10p | R | 6:03p | 7:12p | R | 9:27p | 10:00p | | | | T | | | | 0 | T | 0 | T | 9 |
| 10 | 51 | 35 | 16 | 7 | 43 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 10 |
| 11 | 58 | 34 | 24 | 3 | 46 | | | | R | 10:39a | 10:58a | R | 12:30p | 1:05p | | | | | | | T | | | | 0 | 0 | 0 | 0 | 11 |
| 12 | 64 | 28 | 36 | 0 | 46 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 12 |
| 13 | 50 | 33 | 17 | 4 | 42 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 13 |
| 14 | 36 | 30 | 6 | 4 | 33 | | | | R | 9:55a | Cont'd | | | | | | | | | | .11 | | | | 0 | 0 | 0 | 0 | 14 |
| 15 | 45 | 33 | 12 | 6 | 39 | | | | R<br>S$^{d}$ | Cont'd<br>8:22p | DNA<br>DNP | R | 3:00p | 4:30p | R | 8:01p | 8:03p | R | 8:00p | 8:27p | .01 | | | | 0 | 0 | 0 | T | 15 |
| 16 | 49 | 32 | 17 | 1 | 40 | | | | R | 5:23p | 5:27p | R | 8:30p | 8:43p | | | | | | | T | | | | T | T | 0 | 0 | 16 |
| 17 | 47 | 32 | 15 | 0 | 40 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 17 |
| 18 | 62 | 34 | 28 | 8 | 48 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 18 |
| 19 | 75 | 42 | 33 | 10 | 58 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 19 |
| 20 | 28 | 51 | 27 | 6 | 64 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 20 |
| 21 | 74 | 51 | 23 | 2 | 62 | | | | R<br>R | 6:45a<br>8:43p | 6:47a<br>10:57p | R | 11:30a | 12:40p | R | 1:07p | 1:15p | R | 5:28p | 6:29p | .16 | | | | 0 | 0 | 0 | 0 | 21 |
| 22 | 58 | 45 | 13 | 10 | 52 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 22 |
| 23 | 64 | 43 | 21 | 2 | 54 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 23 |
| 24 | 71 | 46 | 25 | 6 | 59 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 24 |
| 25 | 65 | 39 | 26 | 1 | 52 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 25 |
| 26 | 73 | 43 | 27 | 5 | 58 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 26 |
| 27 | 75 | 47 | 28 | 4 | 62 | | | | R | 9:38p | Cont'd | | | | | | | | | | .18 | | | | 0 | 0 | 0 | 0 | 27 |
| 28 | 68 | 41 | 27 | 8 | 54 | | | | R | Cont'd | DNA | | | | | | | | | | .01 | | | | 0 | 0 | 0 | 0 | 28 |
| 29 | 60 | 42 | 18 | 3 | 51 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 29 |
| 30 | 70 | 45 | 25 | 7 | 58 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 30 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 31 |
| S | 1738 | 1107 | 631 | 195 | 1420 | | Total excess or deficiency since January 1, | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | 1.42 | | Total excess or deficiency since January 1, | | T | T | (a) | (a) | (a) |
| M | 57.9 | 36.9 | 21.0 | 6.5 | 47.3 | (a) | | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | | | (a) | (a) | (a) | (a) | (a) |

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, S$^{d}$—dry snow, S$^{m}$—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.

(8) p Estimated
* Melted as it fell.

8—154

# SUMMARY FOR THE MONTH OF ..... , 1923

The 8 a. m. and 8 p. m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

## PRESSURE.

(Correction to reduce to a 24-hour mean .005)

### STATION.

| Mean. 8 a. m. | Mean. 8 p. m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 29.081 | 29.039 | 29.060 | 29.640 | 1 | 28.550 | 7 | 1.090 |
| Corrected mean | | 29.055 | | | | | |

### REDUCED.

| Mean. 8 a. m. | Mean. 8 p. m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 30.016 | 29.973 | 29.994 | 30.62 | 1 | 29.46 | 7 | 1.16 |
| Corrected mean | | 29.989 | | | | | |

## TEMPERATURE.

### MEAN.

| Dry. 8 a. m. | Dry. 8 p. m. | Dry. (8+8)÷2 (g) | Wet. 8 a. m. | Wet. 8 p. m. | Wet. Monthly. (g) | Max. | Min. | Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 41.9 | 51.1 | 46.5 | 37.2 | 43.1 | 40.2 | 59.9 | 36.9 | 47.4 |

| Highest. (i) | Date. (i) | Lowest. (i) | Date. (i) | Absolute range. | Greatest daily range. (i) | Date. (i) | Least daily range. (i) | Date. (i) |
|---|---|---|---|---|---|---|---|---|
| 78 | 20 | 18 | 1 | 60 | 36 | 12 | 4 | 4 |

| Dew-point. 8 a. m. | Dew-point. 8 p. m. | Dew-point. Monthly. (g) | Relative Humidity. 8 a. m. | Relative Humidity. 8 p. m. | Relative Humidity. Monthly. (g) | Vapor Pressure. 8 a. m. | Vapor Pressure. 8 p. m. | Vapor Pressure. Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 30.9 | 34.0 | 32.4 | 66.0 | 54.8 | 60.4 | .178 | .201 | .190 |

Number of days with—(j)

| Maximum. 32° or below. | Maximum. 90° or above. | Minimum. 32° or below. | Minimum. Zero or below. |
|---|---|---|---|
| 0 | 0 | 8 | 0 |

CLOUDS.

Most frequent clouds C.SC

Most frequent direction upper clouds W

Most frequent direction lower clouds NW

## WIND.

| Total movement (mid. to mid.). | Average hourly velocity. | Prevailing direction. (p) | Maximum velocity. (r) | Direction. (r) | Date. (r) |
|---|---|---|---|---|---|
| 8695 | 12.1 | SW | 44 | SW | 21 |

Number of Times Wind Observed from the—

| N. | NE. | E. | SE. | S. | SW. | W. | NW. | Calm. |
|---|---|---|---|---|---|---|---|---|
| 7 | 9 | 4 | 4 | 7 | 13 | 5 | 11 | 0 |

## WEATHER.

### Mean Cloudiness.

| 8 a. m. | 8 p. m. | Monthly. (t) |
|---|---|---|
| 5.6 | 5.2 | 5.9 |

| Sunshine. Percentage of possible. | Number of Days. Clear. | Partly cloudy. | Cloudy. |
|---|---|---|---|
| 62 | 8 | 9 | 13 |

Number of Days with Precipitation (Mid. to Mid.).

| Clear. (u) | Partly cloudy. (u) | Cloudy. (u) |
|---|---|---|
| 0 | 2 | 8 |

(9)

## MISCELLANEOUS PHENOMENA.

Dates of—(Midnight to Midnight).

| Frosts. Light. | Frosts. Heavy. | Frosts. Killing. | Thunderstorms. (v) | Winds. (40 miles or over.) | Solar Halos. | Lunar Halos. | Fog. Light. | Fog. Dense. | Haze. Light. | Haze. Dense. | Smoke. Light. | Smoke. Dense. | Hail. | Aurora. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0 | 1, 6, 12, 16, 17 | 7, 21 | 7, 21 | 2, 26 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

## PRECIPITATION (in inches and hundredths). (m)

| Total amount. | Greatest amount in 24 consecutive hours. Amt. | Greatest amount in 24 consecutive hours. Date. (k) | Excessive. 2.50 inches in 24 hours. (l) * Amt. | Duration. h. | Duration. m. | Date. (k) | Excessive. 1 inch per hour. (l) Amt. | Duration. h. | Duration. m. | Date. (k) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.42 | 0.69 | 4-5 | 0 | | | | 0 | | | |

Number of days with—(Mid. to Mid.).

| Trace. | .01 or more. | .04 or more. | .25 or more. | 1.00 or more. | Total. | Snow. Trace or more. | Snow. .01 or more melted. |
|---|---|---|---|---|---|---|---|
| 4 | 10 | 6 | 1 | 0 | 14 | 4 | 0 |

| Snow. Total Depth. (o) | Snow. Average Depth at End of Month. |
|---|---|
| T | 0 |

(w) Maximum precipitation in 5 minutes —, date —; 10 minutes —, date —; 15 minutes —, date —;

30 minutes —, date —; 1 hour —, date —; 2 hours —, date —.

## EXCESSIVE.

| Date. | Total Duration. From— | Total Duration. To— | Total amount of precipitation. | Excessive Rate. Began— | Excessive Rate. Ended— | Amt. before excessive began. |
|---|---|---|---|---|---|---|
| | Automatic raingage put in use at 3 pm of 19th. | | | | | |

Accumulated Depths During Excessive Rate for Consecutive Periods of Time Indicated Below.

| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

* The duration is the time precipitation was actually recorded.

8—154

Prepared by CDS

P. McDonough, Meteorologist, Weather Bureau.

*ORIGINAL MONTHLY RECORD OF OBSERVATIONS at* Fort Wayne Ind., *for the Month of* [illegible], 192[illegible]

*Number of Station barometer,* 656; *sum of corrections,* -.009 *inch.*

SPECIAL OBSERVATIONS.

| Date. | Time. 75th mer. | Time. Local (standard). | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) | Barometer. Reduced to sea-level. | Thermometers. Dry. | Thermometers. Wet. | Dew-point. | Depression of the dew-point. | Relative humidity. | Maximum thermometer. | Wind. Direction. | Wind. Velocity. † | Wind. Max. since last observation. | Wind. Direction. | Precipitation. †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Special Phenomena. | Initials of Observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6" | 12 00 Noon | 11 00 a.m. | 73.0 | 29.345 | .126 | 29.219 | 30.16 | 48.7 | 39.4 | 27 | 22 | 41 | 48.7 | SW | [illegible] | | | 0 | 0 | 0 | 0 | Clear | Forecast of Chicago | [illegible] | [illegible] |
| 7" | 2 p.m. | 1 p.m. | 74.0 | 28.749 | .127 | 28.622 | 29.53 | 61.6 | 55.3 | 51 | 11 | 67 | 74.3 | SW | 24 | 37 | S | .12 | 8 | Cu | SW | Cloudy | Forecast of Chicago | [illegible] | [illegible] |
| | | | | | | Extremes of Pressure. | | | | | | | | | | | | | | | | | | | |
| 1" | 7 00 a.m. | 6 00 a.m. | | | | 29.640 | 30.62 | 19.0 | | | | | | | | | | | | | | | | | 1" |
| 7" | 1 30 p.m. | 10 30 p.m. | | | | 28.550 | 29.46 | 62.0 | | | | | | | | | | | | | | | | | 7" |

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation. 8—154

*ORIGINAL MONTHLY RECORD OF OBSERVATIONS at* Fort Wayne, Ind., *for the Month of* APR - - 1923, *192*

*Wind—Number of Miles and Length of Time From.* (*Standard of time in local use,* 90 *meridian.*)

| DATE. | N. | | NE. | | E. | | SE. | | S. | | SW. | | W. | | NW. | | CALM. | | TOTAL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. |
| 1 | | | | | | | | | 234 | 21 | 8 | 2 | 3 | 1 | | | | | 245 | 24 |
| 2 | | | | | | | | | 47 | 3 | 397 | 21 | | | | | | | 444 | 24 |
| 3 | 7 | 1 | | | | | | | 61 | 4 | 201 | 13 | 24 | 2 | 45 | 4 | | | 338 | 24 |
| 4 | 9 | 2 | 221 | 18 | 45 | 4 | | | | | | | | | | | | | 275 | 24 |
| 5 | 16 | 2 | 113 | 8 | 37 | 3 | | | | | | | 17 | 2 | 77 | 9 | | | 260 | 24 |
| 6 | | | | | | | | | 27 | 2 | 195 | 17 | 12 | 2 | 15 | 3 | | | 249 | 24 |
| 7 | | | | | | | | | 242 | 14 | 165 | 9 | 23 | 1 | | | | | 430 | 24 |
| 8 | | | | | | | | | | | | | 115 | 4 | 278 | 20 | | | 393 | 24 |
| 9 | 1 | 1 | 3 | 2 | | | 31 | 7 | 10 | 2 | 49 | 6 | 27 | 3 | 5 | 3 | | | 126 | 24 |
| 10 | | | | | | | | | 66 | 7 | 45 | 5 | 103 | 8 | 63 | 4 | | | 277 | 24 |
| 11 | 75 | 7 | 19 | 2 | | | | | 55 | 4 | 143 | 8 | 34 | 2 | 21 | 1 | | | 347 | 24 |
| 12 | | | 28 | 4 | 88 | 10 | 22 | 4 | 19 | 5 | 3 | 1 | | | | | | | 160 | 24 |
| 13 | | | 461 | 22 | 16 | 2 | | | | | | | | | | | | | 477 | 24 |
| 14 | | | 390 | 22 | | | | | | | 17 | 2 | | | | | | | 407 | 24 |
| 15 | | | | | | | | | 50 | 3 | 344 | 19 | 12 | 1 | 14 | 1 | | | 420 | 24 |
| 16 | 3 | 1 | | | | | | | | | 34 | 5 | 62 | 8 | 106 | 10 | | | 205 | 24 |
| 17 | 34 | 4 | 20 | 3 | 5 | 1 | | | | | | | 5 | 1 | 91 | 15 | | | 155 | 24 |
| 18 | | | | | | | | | | | 90 | 9 | 65 | 5 | 192 | 10 | | | 347 | 24 |
| 19 | | | | | | | | | | | 377 | 24 | | | | | | | 377 | 24 |
| 20 | | | | | | | 9 | 1 | 66 | 6 | 257 | 17 | | | | | | | 332 | 24 |
| 21 | | | | | | | 55 | 5 | 105 | 6 | 278 | 13 | | | | | | | 438 | 24 |
| 22 | | | | | | | | | | | 171 | 9 | 131 | 8 | 63 | 7 | | | 365 | 24 |
| 23 | 31 | 4 | 113 | 10 | 32 | 3 | | | | | | | 6 | 1 | 31 | 6 | | | 213 | 24 |
| 24 | | | 210 | 21 | 30 | 3 | | | | | | | | | | | | | 240 | 24 |
| 25 | 70 | 11 | 89 | 13 | | | | | | | | | | | | | | | 159 | 24 |
| 26 | | | 8 | 2 | 37 | 8 | 19 | 6 | 15 | 4 | 11 | 2 | 4 | 1 | 5 | 1 | | | 99 | 24 |
| 27 | 40 | 4 | 10 | 1 | | | 10 | 4 | 18 | 3 | 59 | 7 | 31 | 4 | 7 | 1 | | | 175 | 24 |
| 28 | 92 | 13 | 37 | 4 | | | | | | | | | | | 67 | 7 | | | 196 | 24 |
| 29 | 10 | 2 | | | | | | | | | | | 36 | 4 | 246 | 18 | | | 292 | 24 |
| 30 | 19 | 3 | | | | | | | | | | | 61 | 8 | 174 | 13 | | | 254 | 24 |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Sum. | 407 | 55 | 1722 | 132 | 290 | 34 | 146 | 27 | 1015 | 84 | 2844 | 189 | 771 | 66 | 1500 | 133 | 0 | 0 | 8695 | 720 |
| Percentage | 5 | 8 | 20 | 18 | 3 | 5 | 2 | 4 | 11 | 12 | 33 | 26 | 9 | 9 | 17 | 18 | 0 | 0 | a | a |
| Avg. Hourly Velocity | 7.4 | a | 13.0 | a | 8.5 | a | 5.4 | a | 12.1 | a | 15.0 | a | 11.7 | a | 11.3 | a | 0 | a | 12.1 | a |

8—154

Form No. 1001—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE,

## WEATHER BUREAU.

# ORIGINAL MONTHLY RECORD

## OF

# OBSERVATIONS

## AT

Fort Wayne, Ind.

## *For the Month of* May, 1923

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, ____; No. of wet thermometer in use, ____; No. of maximum thermometer in use, ____; No. of minimum thermometer in use, ____

†Elevation above ground of the dry thermometer, ____ feet; rain gage, ____ feet; anemometer, ____ feet.

If the office has been moved during the month, give date ____; amount of change in height of barometer, ____ feet (higher or lower).

No. of extra barometer, 675; sum of corrections, -.017; date and observation upon which use of station barometer commenced, May 20, 1911 7:00 a.m., station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Corner of Berry & Calhoun streets, rooms 911-912 Shoaff Building; first observation taken in present office, 7:00 a. m. May 20, 1911.

*Cancel words that are not appropriate. †To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months. 8—154

*ORIGINAL MONTHLY RECORD OF OBSERVATIONS at* ..... *, for the Month of* ..... *, 192*

*Number of Station barometer,* 6556 *; sum of corrections,* −.009 *inch.*

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 A. M. ..... MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; ..... A. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-reg. ther's. Max. (b) | Self-reg. ther's. Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 a. m. (b) †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | | Initials of observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | |
| 1 | 69.5 | 29.222 | .117 | 29.105 | 30.02 | 53.0 | 48.5 | 36 | 53 | .211 | 63.3 | 44.6 | NE | 4 | | | 0 | 2 | AST | W | Clear | | B.M.G. | 1 |
| 2 | 71.0 | 29.376 | .122 | 29.254 | 30.18 | 46.2 | 41.9 | 37 | 70 | .2[illegible] | 68.8 | 43.4 | NE | 7 | | | 0 | 2 | AST | NW | Clear | | UMK | 2 |
| 3 | 69.5 | 29.402 | .118 | 29.284 | 30.22 | 48.1 | 42.2 | 35 | 61 | .203 | 60.0 | 41.2 | E | 12 | | | 0 | 8 | AST | E | Cloudy | | BLC | 3 |
| 4 | 69.0 | 29.218 | .118 | 29.102 | 30.02 | 51.3 | 44.8 | 38 | 60 | .228 | 63.0 | 46.2 | NE | 11 | | | 0 | 0 | AST | SE | Pt. Cloudy | | BLC | 4 |
| 5 | 69.5 | 29.187 | .117 | 29.070 | 29.99 | 50.7 | 44.2 | 37 | 60 | .219 | 68.1 | 46.6 | NE | 13 | 21 | | 0 | 1 | AST | SW | Clear | | BLC | 5 |
| 6 | 69.0 | 29.171 | .116 | 29.055 | 29.99 | 47.5 | 43.[illegible] | 36 | 60 | .211 | 60.0 | 41.2 | NE | 7 | | | 0 | 3 | AST | NW | Clear | | BLC | 6 |
| 7 | 69.5 | 29.105 | .116 | 28.989 | 29.91 | 54.0 | 44.7 | 34 | 47 | .196 | 61.7 | 42 | SE | 3 | | | 0 | 1 | AST | N | Clear | | BLC | 7 |
| 8 | 71.0 | 28.890 | .120 | 28.770 | 29.68 | 53.0 | 47.8 | 43 | 69 | .277 | 72.0 | 50.7 | SW | 6 | 21 | | .14 | 3 | Cu | W | Clear | | BLC | 8 |
| 9 | 69.5 | 28.787 | .115 | 28.672 | 29.61 | 31.0 | 31.0 | 31 | 100 | .172 | 39.7 | 31.6 | NW | 23 | | | .04 | 10 | Nb | NW | Lt. Snow | | BLC | 9 |
| 10 | 66.0 | 29.139 | .108 | 29.031 | 29.97 | 41.0 | 38.7 | 36 | 82 | .211 | 41.2 | 33.5 | SW | 5 | | | 0 | Few | AST | o? | Clear | | BLC | 10 |
| 11 | 69.5 | 28.883 | .111 | 28.772 | 29.69 | 52.0 | 49.0 | 46 | 81 | .310 | 52.0 | 47.0 | SW | 10 | | | T | 10 | St Cu | SW | Cloudy | | BLC | 11 |
| 12 | 68.0 | 28.654 | .111 | 28.543 | 29.45 | 51.0 | 50.6 | 50 | 98 | .360 | 55.0 | 51.0 | NE | 15 | | | 1.40 | 10 | St | NE | Cloudy | | BLC | 12 |
| 13 | 66.0 | 29.180 | .108 | 29.072 | 30.01 | 41.2 | 37.[illegible] | 34 | 75 | .195 | 47.0 | 36.8 | E | 10 | | | 0 | 4 | ACu | W | Pt. Cloudy | | BLC | 13 |
| 14 | 66.0 | 29.624 | .109 | 29.515 | 30.45 | 51.0 | 46.0 | 41 | 69 | .256 | 57.2 | 42.0 | SE | 8 | | | 0 | 4 | Ci St | W | Pt. Cloudy | | BLC | 14 |
| 15 | 66.0 | 28.760 | .106 | 28.654 | 29.56 | 61.3 | 60.8 | 60 | 97 | .377 | 61.3 | 48.2 | S | [illegible] | | | 1.65 | 10 | Stm | SW | Cloudy | | BLC | 15 |
| 16 | 67.0 | 28.519 | .108 | 28.411 | 29.32 | 46.7 | 46.0 | 45 | 93 | .278 | 66.0 | 46.7 | SW | 17 | | | .14 | 10 | St | SW | Cloudy | | BLC | 16 |
| 17 | 68.0 | 29.150 | .113 | 29.042 | 29.98 | 47.8 | 46.2 | 45 | 84 | .278 | 47.8 | 46.4 | SW | 9 | | | 0 | 4 | St Cu | W | Clouds | | BLC | 17 |
| 18 | 66.0 | 29.357 | .108 | 29.249 | 30.18 | 53.3 | 49.3 | 46 | 75 | .310 | 60.0 | 46.6 | SE | 9 | | | 0 | 10 | AST | NW | Cloudy | | BLC | 18 |
| 19 | 68.0 | 29.288 | .113 | 29.175 | 30.10 | 58.8 | 56.2 | 53 | 80 | .402 | 64.2 | 55.6 | E | 4 | | | 0 | 3 | Cu | W | Clear | | BLC | 19 |
| 20 | 71.0 | 28.889 | .120 | 28.769 | 29.[illegible] | 68.0 | 64.8 | 63 | 84 | .595 | 72.0 | 64.8 | SW | 9 | | | .02 | 9 | St Cu | SW | Cloudy | | BLC | 20 |
| 21 | 67.0 | 29.243 | .117 | 29.126 | 30.[illegible] | 49.0 | 45.8 | 43 | 99 | .293 | 57.7 | 46.7 | W | 8 | | | 0 | 4 | Cu | NE | Pt. Cloudy | | BLC | 21 |
| 22 | 69.0 | 29.418 | .117 | 29.301 | 30.24 | 46.3 | 43.2 | 40 | 78 | .247 | 58.2 | 42.6 | E | 13 | | | 0 | 9 | a. St. | W | Cloudy | | P.O.S | 22 |
| 23 | 68.0 | 29.500 | .114 | 29.386 | 30.33 | 50.5 | 46.5 | 42 | 74 | .266 | 53.0 | 46.0 | E | 15 | | | 0 | 0 | 0 | 0 | Clear | | P.M.S | 23 |
| 24 | 69.0 | 29.470 | .117 | 29.353 | 30.29 | 49.0 | 45.2 | 41 | 75 | .256 | 58.1 | 42.6 | E | 18 | | | 0 | 4 | Ci St. | W | Pt. Cloudy | | P.M.S | 24 |
| 25 | 70.0 | 29.336 | .119 | 29.217 | 30.14 | 52.0 | 48.0 | 44 | 75 | .287 | 64.0 | 48.6 | E | 10 | | | 0 | 8 | a. St | W | Cloudy | | P.M.S | 25 |
| 26 | 72.0 | 29.202 | .124 | 29.078 | 30.00 | 56.3 | 55.3 | 54 | 94 | .417 | 71.5 | 56.3 | E | 5 | | | .30 | 10 | Nb | E | Lt. Rain | | BMK | 26 |
| 27 | 73.0 | 29.156 | .126 | 29.030 | 29.95 | 60.7 | 55.0 | 51 | 70 | .373 | 74.0 | 58.4 | E | 11 | | | 0 | 4 | Cu | S | Pt. Cloudy | | BLC | 27 |
| 28 | 72.5 | 29.211 | .125 | 29.086 | 30.01 | 56.0 | 49.0 | 43 | 61 | .277 | 67.2 | 50.9 | E | 13 | | | 0 | 0 | 0 | 0 | Clear | | BLC | 28 |
| 29 | 73.5 | 29.187 | .128 | 29.059 | 29.97 | 63.0 | 56.0 | 49 | 60 | .347 | 72.4 | 58.0 | E | 6 | | | 0 | 3 | Ci St | N | Clear | | BLC | 29 |
| 30 | 75.0 | 29.223 | .132 | 29.091 | 30.01 | 58.0 | 48.2 | 38 | 48 | .228 | 74.0 | 53.3 | E | 15 | | | 0 | 0 | 0 | 0 | Clear | | BLC | 30 |
| 31 | 74.0 | 29.271 | .129 | 29.142 | 30.06 | 56.0 | 61.0 | 47 | 71 | .322 | 67.0 | 51.1 | E | 7 | | | 0 | 0 | 0 | 0 | Clear | | BLC | 31 |
| Sums ..... | | (a) | (a) | 900.103 | 928.76 | 1605.5 | 1471.3 | 1338 | 2290 | 8.964 | (a) | (a) | (a) | 329 | (a) | (a) | 3.69 | 156 | (a) | (a) | (a) | | (a) | |
| Means ..... | | (a) | (a) | 29.036 | 29.960 | 51.8 | 47.5 | 43.2 | 73.9 | .289 | (a) | (a) | (c) E | 10.6 | (a) | (a) | (a) | 5.0 | U a.St. L Cu St. Ci St. | U W L SW | (a) | | (a) | |

Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

U, upper clouds. L, lower clouds.

8—154

*ORIGINAL MONTHLY RECORD OF OBSERVATIONS at* Fort Wayne, Ind. *, for the Month of* [illegible] *, 192*

*Number of Station barometer,* 655.6 *; sum of corrections,* −.009 *inch.*

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO [illegible] P. M. [illegible] MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; [illegible] P. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-reg. ther's. Max. (b) | Self-reg. ther's. Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 p. m. (b) †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Fog, Mid. to Mid. (local standard time). Light. (f) | Fog, Mid. to Mid. (local standard time). Dense. (f) | Initials of observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | | |
| 1 | [illegible] | 27.236 | .124 | [illegible] | [illegible] | 68.8 | [illegible] | [illegible] | 26 | [illegible] | 75.3 | 53.0 | E | [illegible] | | | 0 | 2 | Cu | NW | Clear | | | | 1 |
| 2 | 72.0 | 29.335 | .124 | 29.211 | 30.14 | 60.0 | 42.0 | 32 | 30 | .180 | 71.4 | 46.2 | E | [illegible] | | | 0 | 7 | AST | NE | Pt. Cloudy | | | | 2 |
| 3 | 72.0 | 29.292 | .124 | 29.168 | 30.10 | 65.0 | 48.2 | [illegible] | 25 | .157 | 76.4 | 48.1 | E | 9 | | | 0 | 4<br>1 | AST<br>St | SW<br>E | Pt. Cloudy | | | | 3 |
| 4 | 72.0 | 29.122 | .123 | 28.999 | 29.92 | 68.1 | [illegible] | 44 | 43 | .287 | 76.6 | 51.3 | N | 10 | | | 0 | 4 | AST | SW | Pt. Cloudy | | | | 4 |
| 5 | 72.0 | 29.136 | .124 | 29.012 | 29.74 | 60.0 | 48.5 | 36 | [illegible] | [illegible] | 66.4 | 50.7 | E | [illegible] | 25 | NE | 0 | 0 | 0 | 0 | Clear | | | | 5 |
| 6 | 72.0 | 29.112 | .123 | 28.989 | 29.92 | 61.7 | 49.2 | 36 | 39 | .211 | 69.5 | 49.3 | E | 10 | | | 0 | 3<br>4 | AST<br>AST | NW<br>NW | Clear | | | | 6 |
| 7 | 72.5 | 28.888 | .124 | 28.764 | 29.66 | 72.0 | 53.0 | 40 | 32 | .247 | 77.6 | 54.0 | S | 6 | | | 0 | 6 | Stcu | S | Cloudy | | | | 7 |
| 8 | 72.0 | 28.876 | .123 | 28.753 | 29.67 | 37.7 | 32.2 | 35 | 84 | .203 | 57.9 | 36.0 | W | 16 | 30 | NW | .09 | 10 | Nb | NW | Lt. Snow | | | | 8 |
| 9 | 70.5 | 29.068 | .119 | 28.949 | 29.90 | 41.2 | 38.2 | 34 | 77 | .195 | 42.8 | 30.4 | NW | 15 | 34 | NW | .06 | 2 | Cu St | W | Clear | | | | 9 |
| 10 | 71.5 | 27.110 | .121 | 28.989 | 29.83 | 50.6 | 46.8 | 43 | 76 | .277 | 60.0 | 41.0 | SW | 9 | | | 0 | 2 | St | SW | Clear | | | | 10 |
| 11 | 70.0 | 28.772 | .117 | 28.655 | 29.57 | 55.0 | 54.1 | 53 | 95 | .402 | 55.0 | 52.0 | S | 2 | | | .15 | 10 | Nb | S | Lt. Rain | | | | 11 |
| 12 | 70.0 | 28.422 | .118 | 28.304 | 29.72 | 41.0 | 40.0 | 34 | 93 | .233 | 52.0 | 40.3 | [illegible] | 5 | | | .05 | 1 | AST | NW | Clear | | | | 12 |
| 13 | 66.0 | 29.218 | .105 | 29.113 | 30.[illegible] | 57.2 | 47.2 | 42 | 56 | .266 | 60.7 | 41.2 | SE | [illegible] | | | 0 | 2 | Cu | W | Clear | | | | 13 |
| 14 | 67.6 | 29.100 | .111 | 28.989 | 29.72 | 51.6 | 48.2 | [illegible] | 86 | .334 | 64.7 | [illegible] | [illegible] | [illegible] | | | I | 3<br>7 | St<br>AST | E<br>SW | Cloudy | | | | 14 |
| 15 | 68.5 | 28.688 | .113 | 28.575 | 29.48 | 66.0 | 63.0 | 61 | 85 | .536 | 69.4 | 61.3 | S | 6 | | | .04 | 5<br>5 | AST<br>Stcu | SW<br>S | Cloudy | | | | 15 |
| 16 | 67.0 | 29.010 | .110 | 28.900 | 29.63 | 43.7 | 41.7 | 40 | 86 | .247 | 47.2 | 43.1 | NW | 16 | 38 | NW | T | 10 | Stcu | NW | [illegible] | | | | 16 |
| 17 | 68.5 | 29.266 | .105 | 29.161 | [illegible] | 60.[illegible] | 53.3 | [illegible] | 85 | [illegible] | 62.6 | [illegible] | [illegible] | [illegible] | | | 0 | 1 | Stcu | W | Clear | | | | 17 |
| 18 | 69.0 | 29.286 | .116 | 29.170 | 30.09 | 64.2 | 58.2 | 54 | 70 | .417 | 68.4 | 53.3 | S | 7 | | | 0 | 4 | Stcu | S | Pt. Cloudy | | | | 18 |
| 19 | 70.5 | 29.054 | .121 | 28.933 | 29.84 | 72.0 | 68.0 | 66 | 82 | .638 | 74.6 | 58.8 | SE | 9 | | | .12 | 6<br>2 | AST<br>St | SW<br>SE | Cloudy | | | | 19 |
| 20 | 72.0 | 29.036 | .123 | 28.907 | 29.82 | 57.7 | 55.0 | 53 | 85 | .402 | 68.9 | 52.7 | N | 15 | 25 | NW | 0 | 10 | Nb | NW | Cloudy | | | | 20 |
| 21 | 72.0 | 29.276 | .124 | 29.152 | 30.08 | 58.2 | 51.7 | 45 | 62 | .298 | 63.3 | 49.0 | NE | 9 | | | 0 | 3 | cist | W | Clear | | | | 21 |
| 22 | 70.0 | 29.408 | .119 | 29.289 | 30.23 | 55.0 | 48.3 | 42 | 61 | .266 | 60.0 | 46.3 | E | 10 | | | 0 | 10 | St. | E | Cloudy | | | | 22 |
| 23 | 72.0 | 29.468 | .125 | 29.343 | 30.28 | 58.1 | 47.5 | 36 | 44 | .211 | 63.7 | 50.5 | E | 12 | 30 | NE | 0 | 2 | ast | SW | Clear | | | | 23 |
| 24 | 72.0 | 29.354 | .124 | 29.230 | 30.16 | 64.0 | 53.3 | 45 | 49 | .298 | 72.0 | 49.0 | E | 10 | | | 0 | 3 | ast | SW | Clear | | | | 24 |
| 25 | 72.0 | 29.184 | .124 | 29.060 | 29.[illegible] | 71.5 | 63.5 | 59 | 64 | .447 | 76.[illegible] | 52.9 | S | 8 | | | 0 | 2<br>4 | AST<br>Cu | W<br>S | Pt. Cloudy | | | | 25 |
| 26 | 74.0 | 29.108 | .128 | 28.980 | 29.90 | 74.0 | 63.2 | 66 | 55 | .448 | 77.8 | 55.4 | E | 3 | | | .05 | 8 | AST | NW | Cloudy | | | | 26 |
| 27 | 74.0 | 29.150 | .129 | 29.021 | 29.94 | 67.2 | 53.2 | 40 | 38 | .247 | 81.4 | 60.7 | NE | 14 | | | 0 | 7 | AST | S | Pt. Cloudy | | | | 27 |
| 28 | 75.0 | 29.160 | .132 | 29.028 | 29.95 | 72.4 | 60.1 | 52 | 49 | .357 | 80.9 | 56.0 | NE | 9 | | | 0 | 3<br>1 | Cist<br>St | NW<br>NE | Pt. Cloudy | | | | 28 |
| 29 | 76.5 | 29.154 | .135 | 29.019 | 29.93 | 74.0 | 62.1 | 54 | 51 | .417 | 85.0 | 63.0 | E | 8 | | | 0 | 3 | AST | SW | Clear | | | | 29 |
| 30 | 76.5 | 29.195 | .135 | 29.060 | 29.98 | 67.0 | 51.0 | 35 | 30 | .203 | 74.9 | 58.0 | NE | 10 | | | 0 | 0 | 0 | 0 | Clear | | | | 30 |
| 31 | 77.0 | 29.232 | .137 | 29.095 | 30.02 | 75.0 | 63.2 | 56 | 52 | .448 | 84.6 | 56.0 | E | 9 | | | 0 | 0 | 0 | 0 | Clear | | | | 31 |
| Sums | | (a) | (a) | 899.417 | 928.05 | 1906 | 1632.5 | 1386 | 1797 | 9696 | (a) | (a) | (a) | 291 | (a) | (a) | 0.56 | 157 | (a) | (a) | (a) | 0 | 0 | (a) | (a) |
| Means | | (a) | (a) | 29.013 | 29.937 | 61.5 | 52.7 | 44.7 | 58.0 | .313 | (a) | (a) | (c) E | 9.4 | (a) | (a) | (a) | 5.1 | U 1St St Cu L St | U SW L S | (a) | (a) | (a) | (a) | (a) |

Observations are begun about 7.40 o'clock, 75th meridian time.

†By dial when self-register is out of order. ††T indicates trace of precipitation. U, upper clouds. L, lower clouds.

8—154

# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of May, 1923.

| Date. | TEMPERATURE. Maximum (b) | Minimum (b) | Range (b) | Change (b) | Mean (max. and min.) (b) | Normal. | Departure. | Total excess or deficiency since 1st of month. | PRECIPITATION. Character. ‡ | Beginning. | Ending. | Character. ‡ | Beginning. | Ending. | Character. ‡ | Beginning. | Ending. | Character. ‡ | Beginning. | Ending. | Total (mid. to mid.). (b) †† | Normal. | Departure. | Total excess or deficiency since 1st of month. | Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡ | Snow unmelted. 7 p.m. to 7 p.m. *‡‡ | Hail, sleet, and snow on ground at 7 p.m. *‡‡ | Amount of precipitation from melted snow (mid. to mid.). | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | | | | | | | | | | | | | | | | In. | | | | In. | In. | In. | In. | |
| 1 | 75 | 48 | 27 | 4 | 62 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 1 |
| 2 | 71 | 43 | 28 | 3 | 57 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 2 |
| 3 | 76 | 41 | 35 | 7 | 58 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 3 |
| 4 | 77 | 46 | 31 | 4 | 62 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 4 |
| 5 | 67 | 47 | 20 | 5 | 57 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 5 |
| 6 | 70 | 41 | 29 | 7 | 56 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 6 |
| 7 | 78 | 42 | 36 | 4 | 60 | | | | R | 8:00p | 8:10p | R | 9:20p | Cont'd | | | | | | | .10 | | | | 0 | 0 | 0 | 0 | 7 |
| 8 | 60 | 35 | 25 | 12 | 48 | | | | R<br>S[m]<br>S[m] | Cont'd<br>7:00p<br>7:16p | 8:10p<br>Cont'd | R<br>R | 10:30a<br>8:10p | 12:03p<br>8:45p | S[m]<br>S[m] | 12:33p<br>6:13p | 12:40p<br>6:15p | R<br>S[m] | 12:30p<br>7:20p | 2:50p<br>7:45p | .16 | | | | 0 | 0.4 | T | .07 | 8 |
| 9 | — | — | 13 | 12 | 56 | | | | S[m] | Cont'd | 12:17p | | | | | | | | | | .07 | | | | 0 | 1.1 | 0.6 | .07 | 9 |
| 10 | | | 26 | | | | | | R | 10:05p | 10:50p | | | | | | | | | | T | | | | 0 | 0 | 0 | 0 | 10 |
| 11 | 81 | 49 | 32 | 4 | 65 | | | | R | 8:16a | Cont'd | | | | | | | | | | 1.00 | | | | 0 | 0 | 0 | 0 | 11 |
| 12 | 80 | 50 | 30 | 2 | 65 | | | | R | Cont'd | DNA | R | 7:38a | 10:25a | R | 11:12a | 2:10p | | | | .60 | | | | 0 | 0 | 0 | 0 | 12 |
| 13 | 74 | 52 | 22 | 6 | 63 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 13 |
| 14 | 71 | 47 | 24 | 3 | 59 | | | | R | 3:40p | 5:00p | R | 7:37p | Cont'd | | | | | | | .56 | | | | 0 | 0 | 0 | 0 | 14 |
| 15 | 69 | 49 | 20 | 5 | 59 | | | | R<br>R | Cont'd<br>11:30a | 6:40a<br>1:05p | R<br>R | 7:26a<br>1:30p | 7:30a<br>3:10p | R | 10:30a | 10:42a | R | 11:27a | 11:34a | 1.13 | | | | 0 | 0 | 0 | 0 | 15 |
| 16 | 63 | 42 | 21 | 7 | 52 | | | | R | DNA | 6:20a | R | 9:44a | 8:31a | R | 12:15p | 5:25p | | | | .14 | | | | 0 | 0 | 0 | 0 | 16 |
| 17 | 63 | 40 | 23 | 6 | 52 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 17 |
| 18 | 68 | 47 | 21 | 6 | 58 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 18 |
| 19 | 75 | 56 | 19 | 8 | 66 | | | | R | 9:10a | 10:15a | R | 11:20a | 11:55a | R | 7:45p | 10:05p | | | | .14 | | | | 0 | 0 | 0 | 0 | 19 |
| 20 | 69 | 53 | 16 | 5 | 61 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 20 |
| 21 | 63 | 46 | 17 | 9 | 54 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 21 |
| 22 | 60 | 43 | 17 | 2 | 52 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 22 |
| 23 | 64 | 46 | 18 | 3 | 55 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 23 |
| 24 | 72 | 43 | 29 | 3 | 58 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 24 |
| 25 | 76 | 49 | 27 | 4 | 63 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 25 |
| 26 | 78 | 60 | 23 | 4 | 69 | | | | R | DNA | 8:30a | | | | | | | | | | .35 | | | | 0 | 0 | 0 | 0 | 26 |
| 27 | 81 | 58 | 23 | 4 | 70 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 27 |
| 28 | 81 | 54 | 27 | 4 | 68 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 28 |
| 29 | 85 | 58 | 27 | 6 | 72 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 29 |
| 30 | 75 | 53 | 22 | 8 | 64 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 30 |
| 31 | 85 | 51 | 34 | 4 | 68 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 31 |
| S | 2138 | 1414 | 724 | 154 | 1779 | | Total excess or deficiency since January 1, | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | 4.25 | | Total excess or deficiency since January 1, | | 0 | 1.5 | (a) | (a) | (a) |
| M | 69.0 | 45.6 | 23.4 | 5.0 | 57.4 | (a) | | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | | | (a) | (a) | (a) | (a) | (a) |

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, S[d]—dry snow, S[m]—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.

(8) E.S.T.

Δ Greatest depth on ground 7am to 7pm - 1.3

8—154

# SUMMARY FOR THE MONTH OF May, 1923

The 8 a.m. and 8 p.m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

## PRESSURE.

(Correction to reduce to a 24-hour mean -.005)

### STATION.

| Mean. 8 a.m. | Mean. 8 p.m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 29.036 | 29.013 | 29.024 | 29.400 | 23 | 28.390 | 16 | 1.010 |
| Corrected mean | | 29.019 | | | | | |

### REDUCED.

| Mean. 8 a.m. | Mean. 8 p.m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 29.960 | 29.937 | 29.948 | 30.34 | 23 | 29.29 | 16 | 1.05 |
| Corrected mean | | 29.943 | | | | | |

## TEMPERATURE.

### MEAN.

| Dry. 8 a.m. | Dry. 8 p.m. | Dry. (8+8)÷2 (g) | Wet. 8 a.m. | Wet. 8 p.m. | Wet. Monthly. (g) | Max. | Min. | Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 51.8 | 61.5 | 56.6 | 47.5 | 52.7 | 50.1 | 69.0 | 45.6 | 57.3 |

| Highest. (i) | Date. (i) | Lowest. (i) | Date. (i) | Absolute range. | Greatest daily range. (i) | Date. (i) | Least daily range. (i) | Date. (i) |
|---|---|---|---|---|---|---|---|---|
| 85 | 29 | 30 | 9 | 55 | 36 | 7 | 8 | 11 |

| Dew-point. 8 a.m. | Dew-point. 8 p.m. | Dew-point. Monthly. (g) | Relative Humidity. 8 a.m. | Relative Humidity. 8 p.m. | Relative Humidity. Monthly. (g) | Vapor Pressure. 8 a.m. | Vapor Pressure. 8 p.m. | Vapor Pressure. Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 43.2 | 44.7 | 44.0 | 73.9 | 68.0 | 66.0 | .289 | .313 | .301 |

Number of days with—(j)

| Maximum. 32° or below. | Maximum. 90° or above. | Minimum. 32° or below. | Minimum. Zero or below. |
|---|---|---|---|
| 0 | 0 | 1 | 0 |

### CLOUDS.

Most frequent clouds C.St.

Most frequent direction upper clouds SW & NW

Most frequent direction lower clouds SW & W

## WIND.

| Total movement (mid. to mid.). | Average hourly velocity. | Prevailing direction. (p) | Maximum velocity. (r) | Direction. (r) | Date. (r) |
|---|---|---|---|---|---|
| 7576 | 10.2 | E | 34 | NW | 9 |

Number of Times Wind Observed from the—

| N. | NE. | E. | SE. | S. | SW. | W. | NW. | Calm. |
|---|---|---|---|---|---|---|---|---|
| 4 | 10 | 25 | 5 | 6 | 7 | 2 | 3 | 0 |

## WEATHER.

| Mean Cloudiness. 8 a.m. | 8 p.m. | Monthly. (t) | Sunshine. Percentage of possible. | Number of Days. Clear. | Partly cloudy. | Cloudy. | Number of Days with Precipitation (Mid. to Mid.). Clear. (u) | Partly cloudy. (u) | Cloudy. (u) |
|---|---|---|---|---|---|---|---|---|---|
| 5.0 | 5.1 | 5.3 | 70 | 10 | 10 | 11 | 0 | 3 | 7 |

## MISCELLANEOUS PHENOMENA.

Dates of—(midnight to midnight).

| Frosts. Light. | Heavy. | Killing. | Thunderstorms. (v) | Winds. (40 miles or over.) | Solar Halos. | Lunar Halos. | Fog. Light. | Dense. | Haze. Light. | Dense. | Smoke. Light. | Dense. | Hail. | Aurora. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 10, 13, 21 | 0 | 11, 12, 19 | 0 | 3, 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

## PRECIPITATION (in inches and hundredths). (m)

| Total amount. | Greatest amount in 24 consecutive hours. Amt. | Date. (k) | Excessive. 2.50 inches in 24 hours. (l) * Amt. | Duration. h. m. | Date. (k) | 1 inch per hour. (l) Amt. | Duration. h. m. | Date. (k) |
|---|---|---|---|---|---|---|---|---|
| 4.25 | 1.69 | 14-15 | 0 | | | 0 | | |

Number of days with—(Mid. to Mid.).

| Trace. | .01 or more. | .04 or more. | .25 or more. | 1.00 or more. | Total. | Snow. Trace or more. | Snow. .01 or more melted. |
|---|---|---|---|---|---|---|---|
| 1 | 10 | 10 | 5 | 2 | 11 | 2 | 2 |

| Snow. Total Depth. (o) | Snow. Average Depth at End of Month. |
|---|---|
| 1.5 | 0 |

(w) Maximum precipitation in 5 minutes 0.11, date 15th; 10 minutes 0.19, date 15th; 15 minutes 0.24, date 15th; 30 minutes 0.36, date 15; 1 hour 0.51, date 15th; 2 hours 0.77, date 15th.

## EXCESSIVE.

| Date. | Total Duration. From— | To— | Total amount of precipitation. | Excessive Rate. Began— | Ended— | Amt. before excessive began. | Accumulated Depths During Excessive Rate for Consecutive Periods of Time Indicated Below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | None | | | | | | | | | | | | | | | | |

* The duration is the time precipitation was actually recorded.

8—154

Prepared by CDS

P. M. Dunnough, Meteorologist, Weather Bureau.

(9)

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of [illegible], 192[illegible]

Number of Station barometer, 656; sum of corrections, -.009 inch.

SPECIAL OBSERVATIONS.

| Date. | Time. 75th mer. | Time. Local (standard). | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) | Barometer. Reduced to sea-level. | Thermometers. Dry. | Thermometers. Wet. | Dew-point. | Depression of the dew-point. | Relative humidity. | Maximum thermometer. | Wind. Direction. | Wind. Velocity. † | Wind. Max. since last observation. | Wind. Direction. | Precipitation. †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Special Phenomena. | Initials of Observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8" | 4 00 P.M. | 3 00 P.M. | 73.0 | 28.879 | .125 | 28.754 | 29.67 | 37.1 | 36.7 | 36 | 1 | 96 | 59.9 | W | 8 | 30 | NW | .07 | 10 | St. Cu. | NW | Cloudy | Ordered by Chicago | C.O.S. | 8" |
| 11" | 2 p.m. | 1 p.m. | 70.0 | 28.829 | .117 | 28.712 | 29.62 | 54.0 | 53.0 | 52 | 2 | 94 | 54.8 | SW | 5 | | | .04 | 10 | Nb. | SW | Lt. Rain | Request of Chicago | C.O.S. | 11" |
| 12" | 12 p.m. | 11 a.m. | 69.5 | 28.779 | .115 | 28.664 | 29.58 | 44.0 | 42.0 | 40 | 4 | 85 | 51.0 | NE | 19 | 22 | NE | .01 | 10 | St | N | Cloudy | Sent to C.O. Request of Chicago | C.O.S. | 12" |
| 15" | 1 p.m. | 12 m. | 67.0 | 28.163 | .104 | 28.059 | 29.00 | 67.0 | 64.2 | 62 | 5 | 86 | 67.0 | SW | 22 | 22 | SW | T | 4 | St Cu | SW | Clear | Sent Chicago Request Chicago | C.O.S. | 15" |
| 15" | 2 p.m. | 1 p.m. | 67.5 | 28.748 | .110 | 28.638 | 29.58 | 64.0 | 65.0 | 63 | 6 | 81 | 69.0 | SW | 18 | 23 | S | T | 9 | St Cu | SW | Cloudy | Ordered by Chicago | C.O.S. | 15" |
| 16" | 2 p.m. | 1 p.m. | 67.0 | 28.764 | .109 | 28.655 | 29.62 | 46.0 | 44.0 | 43 | 2 | 93 | 47.2 | W | 18 | 25 | SW | T | 10 | Nb | W | Lt. Rain | Ordered by Chicago | C.O.S. | 16" |

Extremes of Pressure.

Highest.

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23" | 11 00 a.m. | 10 00 a.m. | | | | 29.400 | 30.34 | 59.0 | | | | | | | | | | | | | | | | | 23" |

Lowest.

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16" | 6 15 a.m. | 5 15 a.m. | | | | 28.390 | 29.29 | 60.0 | | | | | | | | | | | | | | | | | 16" |

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation.



H—15½

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of MAY - - 1923, 192

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

| DATE. | N. | | NE. | | E. | | SE. | | S. | | SW. | | W. | | NW. | | CALM. | | TOTAL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. |
| 1 | 5 | 1 | 39 | 7 | 79 | 11 | | | | | | | 5 | 2 | 7 | 2 | 0 | 1 | 135 | 24 |
| 2 | | | 20 | 2 | 257 | 22 | | | | | | | | | | | | | 277 | 24 |
| 3 | | | 163 | 14 | 109 | 10 | | | | | | | | | | | | | 272 | 24 |
| 4 | 68 | 6 | 223 | 18 | | | | | | | | | | | | | | | 291 | 24 |
| 5 | | | 321 | 22 | 22 | 2 | | | | | | | | | | | | | 343 | 24 |
| 6 | | | 127 | 15 | 41 | 5 | 16 | 4 | | | | | | | | | | | 184 | 24 |
| 7 | | | | | 8 | 2 | 16 | 6 | 40 | 5 | 92 | 8 | | | 41 | 3 | | | 197 | 24 |
| 8 | | | | | | | | | | | 89 | 9 | 72 | 7 | 97 | 8 | | | 258 | 24 |
| 9 | | | | | | | | | | | | | 86 | 7 | 360 | 17 | | | 446 | 24 |
| 10 | | | | | | | | | 30 | 4 | 146 | 13 | 45 | 7 | | | | | 221 | 24 |
| 11 | 7 | 1 | 19 | 2 | | | 8 | 1 | 64 | 9 | 97 | 11 | | | | | | | 195 | 24 |
| 12 | 63 | 8 | 134 | 10 | 12 | 2 | | | | | 6 | 1 | 15 | 3 | | | | | 230 | 24 |
| 13 | | | 18 | 3 | 15 | 3 | 31 | 7 | 25 | 4 | 16 | 3 | 5 | 1 | 11 | 3 | | | 121 | 24 |
| 14 | | | | | 107 | 10 | 104 | 14 | | | | | | | | | | | 211 | 24 |
| 15 | | | 6 | 1 | 28 | 3 | | | 131 | 12 | 116 | 8 | | | | | | | 281 | 24 |
| 16 | | | | | | | | | 49 | 5 | 98 | 6 | 109 | 7 | 129 | 6 | | | 385 | 24 |
| 17 | | | 11 | 3 | | | | | | | 70 | 8 | 134 | 13 | | | | | 215 | 24 |
| 18 | | | | | 10 | 5 | 4 | 1 | 70 | 13 | 30 | 4 | | | | | 0 | 1 | 114 | 24 |
| 19 | | | | | 7 | 2 | 100 | 11 | 68 | 11 | | | | | | | | | 175 | 24 |
| 20 | 34 | 4 | | | | | | | 11 | 1 | 124 | 8 | 89 | 5 | 96 | 6 | | | 354 | 24 |
| 21 | 52 | 7 | 147 | 16 | 7 | 1 | | | | | | | | | | | | | 206 | 24 |
| 22 | | | 136 | 11 | 155 | 13 | | | | | | | | | | | | | 291 | 24 |
| 23 | | | 162 | 11 | 177 | 13 | | | | | | | | | | | | | 339 | 24 |
| 24 | | | 168 | 14 | 114 | 10 | | | | | | | | | | | | | 282 | 24 |
| 25 | | | 49 | 5 | 106 | 13 | 10 | 2 | 14 | 4 | | | | | | | | | 179 | 24 |
| 26 | | | 13 | 2 | 67 | 18 | 15 | 4 | | | | | | | | | | | 95 | 24 |
| 27 | | | 142 | 11 | 148 | 13 | | | | | | | | | | | | | 290 | 24 |
| 28 | | | 102 | 10 | 138 | 14 | | | | | | | | | | | | | 240 | 24 |
| 29 | | | 113 | 12 | 153 | 12 | | | | | | | | | | | | | 266 | 24 |
| 30 | | | 161 | 12 | 151 | 12 | | | | | | | | | | | | | 312 | 24 |
| 31 | | | 49 | 7 | 110 | 15 | 12 | 2 | | | | | | | | | | | 171 | 24 |
| SUM. | 229 | 27 | 2323 | 208 | 2021 | 211 | 316 | 52 | 502 | 68 | 884 | 79 | 560 | 52 | 741 | 45 | 0 | 2 | 7576 | 744 |
| PERCENTAGE | 3 | 4 | 31 | 28 | 27 | 28 | 4 | 7 | 6 | 9 | 12 | 11 | 7 | 7 | 10 | 6 | 0 | 0 | a | a |
| AVG. HOURLY VELOCITY | 8.5 | a | 11.2 | a | 9.6 | a | 6.1 | a | 7.4 | a | 11.2 | a | 10.8 | a | 16.5 | a | 0 | a | 10.2 | a |

8—154

Form No. 1001—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE,

## WEATHER BUREAU.

# ORIGINAL MONTHLY RECORD

## OF

# OBSERVATIONS

## AT

Fort Wayne, Ind.

## *For the Month of* ..... June ....., 1923.

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, .....; No. of wet thermometer in use, .....; No. of maximum thermometer in use, .....; No. of minimum thermometer in use, .....

†Elevation above ground of the dry thermometer, ..... feet; rain gage, ..... feet; anemometer, ..... feet.

If the office has been moved during the month, give date .....; amount of change in height of barometer, ..... feet (higher or lower).

No. of extra barometer, 675; sum of corrections, -.017; date and observation upon which use of station barometer commenced, May 20 1911 7:00 am, station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Corner of Berry & Calhoun street/ room 1911-912 Shoaff Building; first observation taken in present office, 7:00 a. m. May 20, 1911

*Cancel words that are not appropriate. †To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months. 8—154

*ORIGINAL MONTHLY RECORD OF OBSERVATIONS at* Fort Wayne Ind, *for the Month of* June, 192 3

*Number of Station barometer,* 656; *sum of corrections,* −.009 *inch.*

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:42 A. M. [illegible] MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; [illegible] A. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. | Self-reg. ther's. Max. (b) | Self-reg. ther's. Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 a. m. (b) †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | | Initials of observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | |
| 1 | 75.5 | 29.344 | .133 | 29.211 | 30.13 | 65.4 | 58.9 | 54 | 68 | .417 | 75.0 | 58.4 | NE | 2 | | | 0 | 0 | 0 | 0 | Clear | | [illegible] | 1 |
| 2 | 80.0 | 29.376 | .146 | 29.230 | 30.14 | 71.9 | 66.8 | 65 | 77 | .616 | 80.0 | 65.8 | SW | [illegible] | | | 0 | 0 | 0 | 0 | Clear | | [illegible] | 2 |
| 3 | 82.0 | 29.256 | .150 | 29.106 | 30.02 | 74.0 | 66.8 | 64 | 69 | .595 | 80.4 | 67.0 | SW | 10 | | | 0 | 6 | Cl St. | NW | Pt. Cloudy | | P.M.S. | 3 |
| 4 | 82.5 | 29.220 | .151 | 29.069 | 29.97 | 73.7 | 67.2 | 64 | 72 | .595 | 82.0 | 69.8 | SW | 10 | | | 0 | 2 | Cl. St. | W | Clear | | P.M.S. | 4 |
| 5 | 83.5 | 29.162 | .154 | 29.008 | 29.90 | 73.3 | 65.8 | 62 | 67 | .555 | 82.9 | 68.2 | SW | 12 | | | 0 | 2 | Cl. St. | NW | Clear | | P.M.S. | 5 |
| 6 | 83.5 | 29.204 | .154 | 29.050 | 29.96 | 72.6 | 69.0 | 67 | 84 | .661 | 79.4 | 70.0 | SW | 12 | | | 0 | 2 | Cu. | SW | Clear | | P.M.S. | 6 |
| 7 | 82.0 | 29.144 | .150 | 28.994 | 29.90 | 68.4 | 65.9 | 64 | 88 | .595 | 68.4 | 64.0 | SW | 12 | | | .02 | 8 | Cu. | SW | Cloudy | | P.M.S. | 7 |
| 8 | 74.0 | 29.404 | .130 | 29.274 | 30.21 | 50.6 | 48.2 | 46 | 85 | .310 | 61.7 | 49.4 | NW | 14 | 26 | NW | T | 9 | St. Cu. | NW | Cloudy | | P.M.S. | 8 |
| 9 | 73.0 | 29.490 | .127 | 29.363 | 30.29 | 58.3 | 52.8 | 48 | 69 | .334 | 66.1 | 50.0 | NE | 4 | | | 0 | 5 | A. St. | NW | Pt. Cloudy | | P.M.S. | 9 |
| 10 | 74.0 | 29.382 | .130 | 29.252 | 30.18 | 62.0 | 57.0 | 54 | 74 | .417 | 71.4 | 59.4 | E | 2 | | | 0 | 10 | St. Cu. | E | Cloudy | | P.M.S. | 10 |
| 11 | 74.0 | 29.190 | .129 | 29.061 | 29.98 | 59.5 | 58.0 | 58 | 92 | .482 | 70.0 | 59.0 | E | 5 | | | .24 | 10 | St. Cu. | E | Cloudy | | P.M.S. | 11 |
| 12 | 72.5 | 29.144 | .125 | 29.019 | 29.94 | 62.0 | 59.0 | 57 | 84 | .465 | 67.2 | 59.6 | NE | 6 | | | 0 | 5<br>3 | A. Cu.<br>St. | W<br>NE | Cloudy | | P.M.S. | 12 |
| 13 | 73.0 | 29.177 | .126 | 29.051 | 29.97 | 57.4 | 50.2 | 44 | 61 | .287 | 70.3 | 52.9 | NE | 2 | | | 0 | 8 | A. St. | W | Cloudy | | P.M.S. | 13 |
| 14 | 74.0 | 29.156 | .129 | 29.027 | 29.94 | 65.3 | 60.8 | 58 | 78 | .482 | 73.0 | 60.4 | SW | 9 | | | 0 | 7<br>4 | A. St.<br>Lt. Haze | W<br>— | Pt. Cloudy | | P.M.S. | 14 |
| 15 | 77.0 | 29.178 | .137 | 29.041 | 29.94 | 69.9 | 63.9 | 61 | 72 | .536 | 78.0 | 63.7 | SW | 3 | | | 0 | 1<br>3 | A. Cu.<br>Lt. Haze | W<br>— | Clear | | P.M.S. | 15 |
| 16 | 77.5 | 29.294 | .138 | 29.156 | 30.07 | 62.0 | 62.0 | 62 | 100 | .555 | 74.8 | 61.6 | NE | 2 | | | 0 | 10 | Dense Fog | NE | Foggy | | P.M.S. | 16 |
| 17 | 80.0 | 29.356 | .145 | 29.211 | 30.12 | 67.0 | 63.6 | 62 | 83 | .555 | 84.0 | 62.2 | NE | 3 | | | 0 | 0 | 0 | 0 | Clear | | P.M.S. | 17 |
| 18 | 81.5 | 29.336 | .149 | 29.187 | 30.09 | 74.2 | 69.2 | 67 | 78 | .661 | 84.0 | 69.4 | S | 8 | | | 0 | 0<br>3 | 0<br>A. St. | 0<br>W | Clear | | P.M.S. | 18 |
| 19 | 84.0 | 29.316 | .156 | 29.160 | 30.06 | 76.0 | 70.0 | 67 | 74 | .661 | 85.5 | 70.0 | SW | 8 | | | 0 | 2 | Lt. Haze | — | Clear | | P.M.S. | 19 |
| 20 | 86.0 | 29.342 | .161 | 29.181 | 30.08 | 75.3 | 67.3 | 63 | 66 | .575 | 86.0 | 69.0 | SW | 6 | | | 0 | 0 | 0 | 0 | Clear | | P.M.S. | 20 |
| 21 | 88.0 | 29.376 | .166 | 29.210 | 30.11 | 79.6 | 70.0 | 65 | 62 | .616 | 88.0 | 72.4 | W | 3 | | | 0 | 8 | Cu. | W | Cloudy | | P.M.S. | 21 |
| 22 | 88.0 | 29.373 | .166 | 29.207 | 30.11 | 75.9 | 69.9 | 67 | 74 | .661 | 83.0 | 70.4 | NE | 2 | | | 0 | 0 | 0 | 0 | Clear | | P.M.S. | 22 |
| 23 | 87.0 | 29.292 | .163 | 29.129 | 30.03 | 78.0 | 71.9 | 69 | 75 | .707 | 87.0 | 70.4 | E | 2 | | | 0 | 0 | 0 | 0 | Clear | | P.M.S. | 23 |
| 24 | 88.0 | 29.184 | .165 | 29.019 | 29.91 | 76.2 | 70.7 | 68 | 76 | .684 | 83.0 | 72.4 | SW | 9 | | | 0 | 7 | A. St. | W | Pt. Cloudy | | P.M.S. | 24 |
| 25 | 87.5 | 29.136 | .164 | 28.972 | 29.86 | 72.4 | 66.5 | 64 | 73 | .595 | 83.7 | 68.2 | W | 6 | | | 0 | 2 | Cl St. | W | Clear | | P.M.S. | 25 |
| 26 | 87.0 | 28.902 | .161 | 28.741 | 29.63 | 73.7 | 67.2 | 64 | 72 | .595 | 86.5 | 67.6 | SW | 13 | | | .02 | 4 | Cu. | SW | Pt. Cloudy | | P.M.S. | 26 |
| 27 | 82.5 | 28.977 | .150 | 28.827 | 29.73 | 65.6 | 58.8 | 54 | 67 | .417 | 75.0 | 58.7 | W | 2 | | | 0 | 9 | A St | NW | Cloudy | | [illegible] | 27 |
| 28 | 76.5 | 28.837 | .133 | 28.704 | 29.60 | 58.0 | 57.0 | 56 | 94 | .448 | 68.6 | 56.6 | NE | 8 | | | .31 | 10 | Nb | NE | Lt. Rain | | [illegible] | 28 |
| 29 | 72.5 | 29.245 | .125 | 29.120 | 30.05 | 51.0 | 47.2 | 43 | 76 | .277 | 59.4 | 46.0 | N | 8 | | | 0 | 0 | 0 | 0 | Clear | | P.M.S. | 29 |
| 30 | 69.5 | 29.379 | .118 | 29.261 | 30.19 | 56.0 | 50.2 | 45 | 67 | .298 | 63.4 | 47.2 | SW | 4 | | | 0 | 1 | Cu | SW | Clear | | [illegible] | 30 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | 31 |
| Sums | | (a) | (a) | 872.841 | 900.11 | 2025.2 | 1871.8 | 1782 | 2277 | 15652 | (a) | (a) | (a) | 194 | (a) | (a) | 0.59 | 122 | (a) | (a) | (a) | | (a) | (a) |
| Means | | (a) | (a) | 29.095 | 30.004 | 67.5 | 62.4 | 59.4 | 75.9 | .522 | (a) | (a) | (c) SW | 6.5 | (a) | (a) | (a) | 4.1 | U A. St.<br>L Cu. | U W<br>L SW | (a) | | (a) | (a) |

Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

U, upper clouds. L, lower clouds.

8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Yates, for the Month of June, 1923

Number of Station barometer, 666; sum of corrections, .009 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:20 P. M. 90th MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:40 P. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-reg. ther's. Max. (b) | Self-reg. ther's. Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 p.m. (b) †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Fog, Mid. to Mid. (local standard time). Light. (f) | Fog, Mid. to Mid. (local standard time). Dense. (f) | Initials of observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | | |
| 1 | 81.0 | 29.310 | .148 | 29.162 | 30.07 | 80.0 | 68.0 | 62 | 57 | .555 | 86.8 | 65.4 | SW | 9 | | | 0 | 2 Few | Cist Cu | NW NW | Clear | | | CMS | 1 |
| 2 | 83.5 | 29.232 | .154 | 29.078 | 29.99 | 80.4 | 73.4 | 70 | 72 | .732 | 85.4 | 71.9 | SW | 7 | | | 0 | 1 6 | Cist. a.cu. | NW W | Clear | | | P.M.S. | 2 |
| 3 | 83.5 | 29.164 | .154 | 29.010 | 29.90 | 82.0 | 70.0 | 64 | 55 | .595 | 85.0 | 74.0 | S | 6 | | | 0 | 2 | St. | S | Cloudy | | | P.M.S. | 3 |
| 4 | 86.0 | 29.126 | .160 | 28.966 | 29.86 | 82.9 | 67.9 | 60 | 46 | .517 | 88.0 | 73.7 | SW | 12 | | | 0 | 0 | 0 | 0 | Clear | | | P.M.S. | 4 |
| 5 | 85.0 | 29.122 | .157 | 28.965 | 29.86 | 79.4 | 69.5 | 65 | 61 | .616 | 88.3 | 65.0 | SW | 5 | 33 | W | .27 | 2 1 | ast Cu. | SW SW | Clear | | | P.M.S. | 5 |
| 6 | 83.0 | 29.208 | .152 | 29.056 | 29.97 | 67.5 | 66.0 | 64 | 92 | .638 | 85.8 | 66.2 | N | 4 | | | .54 | 10 | Nb | N | Lt. Rain | | | P.M.S. | 6 |
| 7 | 79.5 | 29.192 | .143 | 29.049 | 29.97 | 61.7 | 57.4 | 55 | 78 | .432 | 79.6 | 61.7 | NW | 25 | 37 | SW | T | 10 | St.Cu. | NW | Cloudy | | | P.M.S. | 7 |
| 8 | 75.5 | 29.432 | .134 | 29.298 | 30.23 | 66.1 | 55.0 | 46 | 49 | .310 | 68.4 | 50.6 | N | 6 | | | 0 | 1 | St. | N | Clear | | | P.M.S. | 8 |
| 9 | 75.0 | 29.386 | .133 | 29.253 | 30.18 | 71.4 | 55.8 | 43 | 36 | .277 | 75.0 | 58.3 | NE | 2 | | | 0 | 7 | ast. | W | Pt. Cloudy | | | P.M.S. | 9 |
| 10 | 75.0 | 29.260 | .132 | 29.128 | 30.05 | 70.0 | 59.4 | 52 | 54 | .387 | 73.2 | 62.0 | E | 4 | | | 6 | 10 | St. | E | Cloudy | | | P.M.S. | 10 |
| 11 | 73.0 | 29.150 | .126 | 29.024 | 29.94 | 67.2 | 59.2 | 54 | 62 | .417 | 68.4 | 58.3 | NE | 4 | | | T | 4 4 | a.cu St. | W NE | Cloudy | | | P.M.S. | 11 |
| 12 | 74.5 | 29.130 | .130 | 29.000 | 29.92 | 70.3 | 57.9 | 49 | 47 | .347 | 75.8 | 62.0 | E | 6 | | | 6 | 3 | ast | W | Clear | | | P.M.S. | 12 |
| 13 | 75.5 | 29.112 | .132 | 28.980 | 29.90 | 73.0 | 62.7 | 56 | 57 | .448 | 77.0 | 57.4 | SW | 4 | | | 0 | 5 | Lt Haze | 0 — | Clear | | | P.M.S. | 13 |
| 14 | 79.0 | 29.144 | .142 | 29.002 | 29.91 | 78.0 | 65.0 | 58 | 50 | .482 | 82.7 | 65.3 | N | 5 | | | 0 | 3 | Cist | W | Clear | | | P.M.S. | 14 |
| 15 | 78.5 | 29.172 | .141 | 29.031 | 29.94 | 74.8 | 68.7 | 66 | 74 | .638 | 76.9 | 66.0 | SW | 5 | | | .09 | 3 2 | ast Cu. | NW SW | Pt. Cloudy | | | P.M.S. | 15 |
| 16 | 81.0 | 29.266 | .148 | 29.118 | 30.03 | 84.0 | 67.4 | 59 | 42 | .499 | 86.9 | 60.6 | W | 1 | | | 0 | 2 | Cu. | SW | Clear | B745a E845a | D.N.a E745a | P.M.S. | 16 |
| 17 | 82.5 | 29.277 | .152 | 29.125 | 30.03 | 84.0 | 71.0 | 65 | 53 | .616 | 88.8 | 67.0 | SE | 6 | | | 0 | 1 2 | a.st. Cu. | NW S | Clear | | | P.M.S. | 17 |
| 18 | 87.0 | 29.282 | .163 | 29.119 | 30.02 | 85.5 | 70.5 | 64 | 48 | .595 | 90.7 | 74.2 | SW | 7 | | | 0 | 2 3 | Cist Lt Haze | NW — | Clear | | | P.M.S. | 18 |
| 19 | 87.5 | 29.272 | .165 | 29.107 | 30.01 | 86.0 | 67.2 | 56 | 37 | .448 | 92.0 | 76.0 | SW | 6 | | | 0 | 8 | ast. | W | Cloudy | | | P.M.S. | 19 |
| 20 | 89.5 | 29.292 | .170 | 29.102 | 30.00 | 88.0 | 70.8 | 63 | 43 | .575 | 92.1 | 75.3 | W | 2 | | | 0 | 1 1 | Cist Cu. | W W | Clear | | | P.M.S. | 20 |
| 21 | 88.5 | 29.300 | .167 | 29.133 | 30.03 | 83.0 | 72.0 | 67 | 58 | .661 | 93.6 | 79.0 | NE | 6 | | | 0 | 6 | ast. | W | Pt. Cloudy | | | P.M.S. | 21 |
| 22 | 90.5 | 29.282 | .173 | 29.109 | 30.01 | 87.0 | 74.2 | 69 | 55 | .707 | 93.9 | 75.9 | E | 7 | | | 0 | 1 1 | Cist. Cu. | NW E | Clear | | | P.M.S. | 22 |
| 23 | 90.0 | 29.172 | .171 | 29.001 | 29.89 | 83.0 | 70.0 | 64 | 52 | .595 | 96.7 | 78.0 | SW | 7 | | | 0 | 6 2 | Cl St Cu. | W SW | Cloudy | | | P.M.S. | 23 |
| 24 | 89.5 | 29.102 | .169 | 28.933 | 29.82 | 83.7 | 71.7 | 66 | 56 | .638 | 95.8 | 76.2 | SW | 12 | | | 0 | 9 | St. | SW | Cloudy | | | P.M.S. | 24 |
| 25 | 90.0 | 28.972 | .170 | 28.802 | 29.69 | 86.5 | 72.0 | 66 | 50 | .638 | 92.4 | 72.4 | SW | 12 | | | 0 | 1 | St. | SW | Clear | | | P.M.S. | 25 |
| 26 | 84.0 | 28.934 | .154 | 28.780 | 29.67 | 75.0 | 62.0 | 54 | 48 | .417 | 83.4 | 73.7 | NW | 10 | 26 | W | 0 | 0 | 0 | 0 | Clear | | | P.M.S. | 26 |
| 27 | 79.5 | 28.948 | .142 | 28.806 | 29.71 | 68.6 | 58.6 | 52 | 55 | .387 | 70.0 | 62.7 | S | 3 | | | .03 | 1 | Cu | SW | Clear | | | P.M.S. | 27 |
| 28 | 75.0 | 29.078 | .131 | 28.947 | 29.87 | 59.4 | 53.0 | 48 | 66 | .334 | 60.4 | 54.6 | N | 8 | | | .04 | 1 5 | ACu Cu | SW N | Pt. Cloudy | | | P.M.S. | 28 |
| 29 | 72.0 | 29.296 | .124 | 29.172 | 30.10 | 63.4 | 52.4 | 43 | 47 | .277 | 64.8 | 51.0 | NW | 7 | | | 0 | 3 | Cu | NW | Clear | | | P.M.S. | 29 |
| 30 | 72.0 | 29.364 | .124 | 29.240 | 30.16 | 70.0 | 55.8 | 46 | 40 | .298 | 73.7 | 56.0 | SE | 5 | | | 0 | 0 | 0 | 0 | Clear | | | P.M.S. | 30 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 31 |
| Sums | | (a) | (a) | 871.496 | 848.73 | 2291.8 | 1944.5 | 1747 | 1637 | 15.076 | (a) | (a) | (a) | 203 | (a) | (a) | 0.97 | 124 | (a) | (a) | (a) | 1 | 1 | (a) | (a) |
| Means | | (a) | (a) | 29.050 | 29.458 | 76.4 | 64.8 | 58.2 | 54.6 | .503 | (a) | (a) | (c) SW | 6.8 | (a) | (a) | (a) | 4.1 | U Ast. L Cu. | U W L SW | (a) | (a) | (a) | (a) | (a) |

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order. †† T indicates trace of precipitation. U, upper clouds. L, lower clouds.

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# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of ____, 192?

| Date. | TEMPERATURE. Maximum. (b) | Minimum. (b) | Range. (b) | Change. (b) | Mean (max. and min.). (b) | Normal. | Departure. | Total excess or deficiency since 1st of month. | PRECIPITATION. Character. ‡ | Beginning. | Ending. | Character. ‡ | Beginning. | Ending. | Character. ‡ | Beginning. | Ending. | Character. ‡ | Beginning. | Ending. | Total (mid. to mid.). (b) †† | Normal. | Departure. | Total excess or deficiency since 1st of month. | Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡ | Snow unmelted. 7 p.m. to 7 p.m. *‡‡ | Hail, sleet, and snow on ground at 7 p.m. *‡‡ | Amount of precipitation from melted snow (mid. to mid.). | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | | | | | | | | | | | | | | | | In. | | | | In. | In. | In. | In. | |
| 1 | 87 | 58 | 29 | 4 | 72 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 1 |
| 2 | 85 | 66 | 19 | 4 | 76 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 2 |
| 3 | 85 | 67 | 18 | 0 | 76 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 3 |
| 4 | 88 | 70 | 18 | 3 | 79 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 4 |
| 5 | 88 | 65 | 23 | 3 | 76 | | | | R | 4:30p | 5:05p | | | | | | | | | | .27 | | | | 0 | 0 | 0 | 0 | 5 |
| 6 | 86 | 66 | 20 | 0 | 76 | | | | R | 2:30p | 2:45p | R | 3:03p | 9:30p | | | | | | | .56 | | | | 0 | 0 | 0 | 0 | 6 |
| 7 | 80 | 53 | 27 | 10 | 66 | | | | R | 5:13p. | 6:56p | R | 7:03p | 7:20p | | | | | | | T | | | | 0 | 0 | 0 | 0 | 7 |
| 8 | 68 | 49 | 19 | 8 | 58 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 8 |
| 9 | 75 | 50 | 25 | 4 | 62 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 9 |
| 10 | 73 | 59 | 14 | 4 | 66 | | | | R | 9:10p | Cont'd. | | | | | | | | | | .06 | | | | 0 | 0 | 0 | 0 | 10 |
| 11 | 68 | 58 | 10 | 3 | 63 | | | | R | Cont'd. | 6:35a | R | 9:15a | 9:25a | R | 11:50a | 12:20p | | | | .18 | | | | 0 | 0 | 0 | 0 | 11 |
| 12 | 76 | 60 | 16 | 5 | 68 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 12 |
| 13 | 77 | 53 | 24 | 3 | 65 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 13 |
| 14 | 83 | 60 | 23 | 7 | 72 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 14 |
| 15 | 77 | 64 | 13 | 2 | 70 | | | | R | 9:30a | 11:50a | | | | | | | | | | .09 | | | | 0 | 0 | 0 | 0 | 15 |
| 16 | 87 | 61 | 26 | 4 | 74 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 16 |
| 17 | 89 | 62 | 27 | 2 | 76 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 17 |
| 18 | 91 | 69 | 22 | 4 | 80 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 18 |
| 19 | 92 | 70 | 22 | 1 | 81 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 19 |
| 20 | 92 | 69 | 23 | 1 | 80 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 20 |
| 21 | 94 | 72 | 22 | 3 | 83 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 21 |
| 22 | 94 | 70 | 24 | 1 | 82 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 22 |
| 23 | 97 | 70 | 27 | 2 | 84 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 23 |
| 24 | 96 | 72 | 24 | 0 | 84 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 24 |
| 25 | 92 | 68 | 24 | 4 | 80 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 25 |
| 26 | 83 | 63 | 20 | 7 | 73 | | | | R | 1:00a | DNA | | | | | | | | | | .02 | | | | 0 | 0 | 0 | 0 | 26 |
| 27 | 70 | 59 | 11 | 9 | 64 | | | | R | 10:35a | 1:10p | | | | | | | | | | .03 | | | | 0 | 0 | 0 | 0 | 27 |
| 28 | 61 | 52 | 9 | 8 | 56 | | | | R | 2:55a | 11:08a | R | 11:35a | 12:01p | R | 2:00p | 2:45p | | | | .35 | | | | 0 | 0 | 0 | 0 | 28 |
| 29 | 65 | 46 | 19 | 0 | 56 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 29 |
| 30 | 74 | 47 | 27 | 4 | 60 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 30 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 31 |
| S | 2473 | 1848 | 625 | 110 | 2158 | | Total excess or deficiency since January 1, | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | 1.56 | | Total excess or deficiency since January 1, | | 0 | 0 | (a) | (a) | (a) |
| M | 824 | 61.6 | 20.8 | 3.7 | 71.9 | (a) | | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | | | (a) | (a) | (a) | (a) | (a) |

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, $S^d$—dry snow, $S^m$—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.



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# SUMMARY FOR THE MONTH OF June, 1923

The 8 a.m. and 8 p.m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

## PRESSURE.

(Correction to reduce to a 24-hour mean -.014.)

### STATION.

| Mean. 8 a.m. | Mean. 8 p.m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 29.095 | 29.050 | 29.072 | 29.380 | 9 | 28.660 | 28 | 0.720 |
| Corrected mean | | 29.068 | | | | | |

### REDUCED.

| Mean. 8 a.m. | Mean. 8 p.m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 30.004 | 29.958 | 29.981 | 30.31 | 9 | 29.56 | 28 | 0.75 |
| Corrected mean | | 29.977 | | | | | |

## TEMPERATURE.

### MEAN.

| Dry. 8 a.m. | Dry. 8 p.m. | Dry. (8+8)÷2 (g) | Wet. 8 a.m. | Wet. 8 p.m. | Wet. Monthly. (g) | Max. | Min. | Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 67.5 | 76.4 | 72.0 | 62.4 | 64.8 | 63.6 | 82.4 | 61.6 | 72.0 |

| Highest. (i) | Date. (i) | Lowest. (i) | Date. (i) | Absolute range. | Greatest daily range. (i) | Date. (i) | Least daily range. (i) | Date. (i) |
|---|---|---|---|---|---|---|---|---|
| 97 | 23 | 46 | 29 | 51 | 29 | 1 | 9 | 28 |

| Dew-point. 8 a.m. | Dew-point. 8 p.m. | Dew-point. Monthly. (g) | Relative Humidity. 8 a.m. | Relative Humidity. 8 p.m. | Relative Humidity. Monthly. (g) | Vapor Pressure. 8 a.m. | Vapor Pressure. 8 p.m. | Vapor Pressure. Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 59.4 | 58.2 | 58.8 | 75.9 | 54.6 | 65.2 | .522 | .503 | .512 |

| Number of days with—(j) Maximum. 32° or below. | Maximum. 90° or above. | Minimum. 32° or below. | Minimum. Zero or below. |
|---|---|---|---|
| 0 | 8 | 0 | 0 |

**CLOUDS.**

Most frequent clouds Cu.

Most frequent direction upper clouds W

Most frequent direction lower clouds SW

## WIND.

| Total movement (mid. to mid.). | Average hourly velocity. | Prevailing direction. (p) | Maximum velocity. (r) | Direction. (r) | Date. (r) |
|---|---|---|---|---|---|
| 5348 | 7.4 | SW | 37 | SW | 7 |

| Number of Times Wind Observed from the— N. | NE. | E. | SE. | S. | SW. | W. | NW. | Calm. |
|---|---|---|---|---|---|---|---|---|
| 5 | 11 | 6 | 2 | 3 | 24 | 5 | 4 | 0 |

## WEATHER.

| Mean Cloudiness. 8 a.m. | 8 p.m. | Monthly. (t) | Sunshine. Percentage of possible. | Number of Days. Clear. | Partly cloudy. | Cloudy. | Number of Days with Precipitation (Mid. to Mid.). Clear. (u) | Partly cloudy. (u) | Cloudy. (u) |
|---|---|---|---|---|---|---|---|---|---|
| 4.1 | 4.1 | 4.9 | 72 | 9 | 16 | 5 | 0 | 4 | 4 |

## MISCELLANEOUS PHENOMENA.

Dates of—(midnight to midnight).

| Frosts. Light. | Heavy. | Killing. | Thunderstorms. (v) | Winds. (40 miles or over.) | Solar Halos. | Lunar Halos. | Fog. Light. | Fog. Dense. | Haze. Light. | Haze. Dense. | Smoke. Light. | Smoke. Dense. | Hail. | Aurora. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 | 0 | 0 | 5, 6, 21. | 0 | 0 | 0 | 16 | 16 | 13, 14, 17, 18, 19 | 0 | 0 | 0 | 0 | 0 |

## PRECIPITATION (in inches and hundredths). (m)

| Total amount. | Greatest Amount in 24 Consecutive Hours. Amt. | Greatest Amount in 24 Consecutive Hours. Date. (k) | Excessive. 2.50 Inches in 24 Hours. (l) * Amt. | Duration. h. m. | Date. (k) | 1 Inch per Hour. (l) Amt. | Duration. h. m. | Date. (k) |
|---|---|---|---|---|---|---|---|---|
| 1.56 | 0.60 | 5"-6" | None | | | None | | |

| Number of days with—(Mid. to Mid.). Trace. | .01 or more. | .04 or more. | .25 or more. | 1.00 or more. | Total. | Snow. Trace or more. | Snow. .01 or more melted. | Snow. Total Depth. (o) | Snow. Average Depth at End of Month. |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 8 | 6 | 3 | 0 | 9 | 0 | 0 | 0 | 0 |

(w) Maximum precipitation in 5 minutes 0.13, date 5"; 10 minutes 0.20, date 5"; 15 minutes 0.26, date 5";
30 minutes 0.26, date 5"; 1 hour 0.33, date 6"; 2 hours 0.33, date 6

## EXCESSIVE.

| Date. | Total Duration. From— | To— | Total amount of precipitation. | Excessive Rate. Began— | Ended— | Amt. before excessive began. | Accumulated Depths During Excessive Rate for Consecutive Periods of Time Indicated Below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | None | | | | | | | | | | | | | | |

* The duration is the time precipitation was actually recorded.

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Prepared by C.C.S., W. McDonough, Meteorologist, Weather Bureau.

(6)

*ORIGINAL MONTHLY RECORD OF OBSERVATIONS at* Fort Wayne, Ind. *, for the Month of* [illegible] *, 192 3*

*Number of Station barometer,* 636 *; sum of corrections,* -.009 *inch.*

SPECIAL OBSERVATIONS.

EXTREMES of PRESSURE.

| Date. | Time. 75th mer. | Time. Local (standard). | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) | Barometer. Reduced to sea-level. | Thermometers. Dry. | Thermometers. Wet. | Dew-point. | Depression of the dew-point. | Relative humidity. | Maximum thermometer. | Wind. Direction. | Wind. Velocity. † | Wind. Max. since last observation. | Wind. Direction. | Precipitation. †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Special Phenomena. | Initials of Observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Highest | | | | | | | | | | | | | | | | | | |
| 9th | 8 30 pm | 7 30 pm | | | | 29.380 | 30.31 | 60.0 | | | | | | | | | | | | | | | | | 9th |
| | | | | | | | Lowest. | | | | | | | | | | | | | | | | | | |
| 28th | 4 30 am | 3 30 am | | | | 28.660 | 29.56 | 58.0 | | | | | | | | | | | | | | | | | 28th |

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation. 8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of JUN - - 1923, 192

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

| DATE. | N. | | NE. | | E. | | SE. | | S. | | SW. | | W. | | NW. | | CALM. | | TOTAL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. |
| 1 | | | 12 | 6 | 6 | 2 | | | | | 169 | 16 | | | | | | | 187 | 24 |
| 2 | | | | | | | | | 9 | 1 | 205 | 23 | | | | | | | 214 | 24 |
| 3 | | | | | | | | | 50 | 7 | 166 | 16 | 14 | 1 | | | | | 230 | 24 |
| 4 | | | | | | | | | | | 294 | 24 | | | | | | | 294 | 24 |
| 5 | | | | | | | | | 5 | 1 | 250 | 21 | 20 | 2 | | | | | 275 | 24 |
| 6 | 25 | 4 | | | 4 | 1 | 12 | 3 | 4 | 1 | 157 | 14 | | | 5 | 1 | | | 207 | 24 |
| 7 | | | | | | | | | 26 | 4 | 160 | 10 | 139 | 6 | 70 | 4 | | | 395 | 24 |
| 8 | 44 | 6 | | | | | | | | | | | | | 241 | 18 | | | 285 | 24 |
| 9 | | | 50 | 14 | 19 | 4 | | | | | | | | | 19 | 5 | 0 | 1 | 88 | 24 |
| 10 | | | 1 | 1 | 69 | 15 | 17 | 4 | 12 | 4 | | | | | | | | | 99 | 24 |
| 11 | | | 89 | 14 | 39 | 8 | | | | | | | | | | | 0 | 2 | 128 | 24 |
| 12 | | | 110 | 15 | 47 | 8 | | | | | | | | | | | 0 | 1 | 157 | 24 |
| 13 | 4 | 1 | 16 | 6 | 12 | 5 | | | | | 37 | 7 | 13 | 3 | 12 | 2 | | | 94 | 24 |
| 14 | 27 | 3 | | | | | | | | | 83 | 11 | 27 | 3 | 49 | 6 | 0 | 1 | 186 | 24 |
| 15 | | | | | | | | | | | 47 | 12 | 36 | 5 | 33 | 5 | 0 | 2 | 116 | 24 |
| 16 | 15 | 6 | 12 | 5 | | | | | | | | | 5 | 4 | 34 | 8 | 0 | 1 | 66 | 24 |
| 17 | | | 32 | 9 | | | 69 | 11 | 22 | 4 | | | | | | | | | 123 | 24 |
| 18 | | | | | | | 5 | 1 | 33 | 6 | 183 | 17 | | | | | | | 221 | 24 |
| 19 | | | | | | | | | 25 | 3 | 188 | 20 | 12 | 1 | | | | | 225 | 24 |
| 20 | | | | | | | | | | | 84 | 15 | 52 | 9 | | | | | 136 | 24 |
| 21 | 5 | 1 | 35 | 5 | 4 | 1 | 4 | 2 | | | 9 | 3 | 13 | 5 | 33 | 5 | 0 | 2 | 103 | 24 |
| 22 | 10 | 1 | 44 | 12 | 21 | 5 | 2 | 1 | | | | | | | 5 | 1 | 0 | 4 | 82 | 24 |
| 23 | 4 | 1 | 19 | 4 | 24 | 10 | 6 | 2 | | | 48 | 7 | | | | | | | 101 | 24 |
| 24 | | | | | | | | | | | 125 | 16 | 14 | 2 | 54 | 6 | | | 193 | 24 |
| 25 | | | | | | | | | | | 164 | 14 | 76 | 10 | | | | | 240 | 24 |
| 26 | 9 | 1 | | | | | | | | | 51 | 5 | 78 | 4 | 169 | 14 | | | 307 | 24 |
| 27 | | | | | | | 3 | 1 | 48 | 8 | 50 | 8 | 26 | 7 | | | | | 127 | 24 |
| 28 | 90 | 11 | 106 | 9 | 5 | 3 | | | | | | | | | | | 0 | 1 | 201 | 24 |
| 29 | 83 | 9 | | | | | | | | | | | | | 99 | 15 | | | 182 | 24 |
| 30 | | | | | | | 25 | 5 | 28 | 8 | 24 | 4 | 6 | 2 | 3 | 3 | 0 | 2 | 86 | 24 |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Sum. | 316 | 44 | 526 | 100 | 250 | 62 | 143 | 30 | 262 | 47 | 2494 | 263 | 531 | 64 | 826 | 93 | 0 | 17 | 5348 | 720 |
| Percentage | 6 | 6 | 10 | 14 | 5 | 9 | 3 | 4 | 5 | 7 | 46 | 36 | 10 | 9 | 15 | 13 | 0 | 2 | a | a |
| Avg. Hourly Velocity | 7.2 | a | 5.3 | a | 4.0 | a | 4.8 | a | 5.6 | a | 9.5 | a | 8.3 | a | 8.9 | a | 0 | a | 7.4 | a |

8—154

Form No. 1001—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE,

## WEATHER BUREAU.

# ORIGINAL MONTHLY RECORD

## OF

# OBSERVATIONS

## AT

Fort Wayne, Ind.

## *For the Month of* July, 1923.

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, ____; No. of wet thermometer in use, ____; No. of maximum thermometer in use, ____; No. of minimum thermometer in use, ____

†Elevation above ground of the dry thermometer, ____ feet; rain gage, ____ feet; anemometer, ____ feet.

If the office has been moved during the month, give date ____; amount of change in height of barometer, ____ feet (higher or lower).

No. of extra barometer, 675; sum of corrections, -.017; date and observation upon which use of station barometer commenced, May 20, 1911 7:00 am, station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Corner of Berry & Calhoun streets, room 911-912 Shoaff Building, first observation taken in present office, 700 a. m. May 20, 1911.

*Cancel words that are not appropriate. †To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months. 8—154

*ORIGINAL MONTHLY RECORD OF OBSERVATIONS at* Fort Wayne Ind. *, for the Month of* July *, 192 3*

*Number of Station barometer,* 656 *; sum of corrections,* -.009 *inch.*

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 2:00 A. M. 90TH MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 2:19 A. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. | Vapor pressure. (b) | Self-reg. ther's. Max. (b) | Self-reg. ther's. Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 a. m. (b) †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | | Initials of observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | |
| 1 | 71.0 | 29.464 | .122 | 29.342 | 30.27 | 60.0 | 54.2 | 49 | 69 | .347 | 70.0 | 52.6 | E | 3 | | | 0 | 1 | Cu | E | Clear | | | 1 |
| 2 | 73.0 | 29.460 | .121 | 29.333 | 30.25 | 62.5 | 57.5 | 54 | 74 | .417 | 74.4 | 57.0 | E | 2 | | | 0 | 6 | Cu | SE | Pt. Cloudy | | | 2 |
| 3 | 75.5 | 29.408 | .134 | 29.274 | 30.19 | 62.0 | 57.0 | 54 | 74 | .417 | 77.0 | 60.6 | SW | 8 | | | 0 | 5 | Ast | NW | Pt. Cloudy | | | 3 |
| | | | | | | | | | | | | | | | | | | 1 | St | SW | | | | |
| 4 | 76.5 | 29.388 | .136 | 29.252 | 30.18 | 68.0 | 64.0 | 62 | 81 | .555 | 75.8 | 60.7 | SW | 1 | | | 0 | 0 | 0 | 0 | Clear | | | 4 |
| 5 | 78.0 | 29.360 | .140 | 29.220 | 30.13 | 70.0 | 68.0 | 67 | 90 | .661 | 79.2 | 67.9 | S | 2 | | | .14 | 10 | Nb | S | Lt. Rain | | | 5 |
| 6 | 79.5 | 29.306 | .144 | 29.162 | 30.07 | 73.8 | 69.3 | 67 | 80 | .661 | 80.0 | 68.4 | SW | 8 | | | 0 | 1 | Ast | NW | Clear | | | 6 |
| 7 | 78.0 | 29.270 | .140 | 29.130 | 30.04 | 68.0 | 67.0 | 67 | 95 | .661 | 74.0 | 65.9 | SW | 9 | | | .07 | 10 | Nb | SW | Lt. Rain | | | 7 |
| 8 | 78.0 | 29.342 | .140 | 29.202 | 30.12 | 66.0 | 61.3 | 59 | 78 | .499 | 71.0 | 63.3 | NE | 12 | | | 0 | 8 | Ci St | N | Cloudy | | | 8 |
| 9 | 78.5 | 29.320 | .141 | 29.179 | 30.10 | 66.9 | 63.4 | 62 | 83 | .555 | 76.2 | 58.2 | 0 | 0 | | | 0 | 3 | Ci St | W | Clear | | | 9 |
| 10 | 82.0 | 29.232 | .150 | 29.082 | 29.98 | 76.0 | 70.5 | 68 | 76 | .684 | 84.4 | 70.7 | W | 4 | | | 0 | 0 | 0 | 0 | Clear | | | 10 |
| 11 | 83.5 | 29.222 | .159 | 29.063 | 29.96 | 74.0 | 69.5 | 67 | 80 | .661 | 82.2 | 71.0 | S | 6 | | | .01 | 10 | St | S | Cloudy | | | 11 |
| 12 | 82.5 | 29.248 | .151 | 29.097 | 30.01 | 70.0 | 69.0 | 69 | 95 | .707 | 72.5 | 68.9 | NE | 7 | | | 0 | 10 | St | NE | Cloudy | | | 12 |
| 13 | 82.0 | 29.297 | .150 | 29.147 | 30.06 | 69.3 | 65.0 | 63 | 80 | .575 | 78.0 | 64.2 | E | 5 | | | 0 | 0 | 0 | 0 | Clear | | | 13 |
| 14 | 82.0 | 29.220 | .150 | 29.070 | 29.98 | 70.9 | 65.9 | 63 | 77 | .575 | 82.0 | 66.8 | SW | 6 | | | 0 | 0 | 0 | 0 | Clear | | | 14 |
| 15 | 84.5 | 29.134 | .156 | 28.978 | 29.87 | 76.0 | 67.9 | 65 | 70 | .616 | 84.0 | 72.1 | W | 7 | | | T | 6 | Ast | NW | Pt. Cloudy | | | 15 |
| | | | | | | | | | | | | | | | | | | 1 | Cu | W | | | | |
| 16 | 82.5 | 29.234 | .157 | 29.083 | 29.99 | 65.0 | 65.0 | 65 | 100 | .616 | 78.0 | 64.2 | NE | 9 | | | T | 10 | St | NE | Cloudy | | | 16 |
| | | | | | | | | | | | | | | | | | | 10 | Lt Fog | NE | | | | |
| 17 | 81.0 | 29.402 | .148 | 29.254 | 30.18 | 66.0 | 59.4 | 55 | 68 | .432 | 76.2 | 60.4 | NE | 5 | | | 0 | 0 | 0 | 0 | Clear | | | 17 |
| 18 | 81.0 | 29.466 | .149 | 29.317 | 30.24 | 67.0 | 62.3 | 60 | 77 | .517 | 77.7 | 60.3 | NE | 9 | | | 0 | 0 | 0 | 0 | Clear | | | 18 |
| 19 | 82.0 | 29.460 | .151 | 29.309 | 30.23 | 68.4 | 62.2 | 59 | 71 | .499 | 82.0 | 64.0 | NE | 2 | | | 0 | 0 | 0 | 0 | Clear | | | 19 |
| 20 | 83.0 | 29.392 | .153 | 29.239 | 30.14 | 73.3 | 63.3 | 57 | 58 | .465 | 86.0 | 60.9 | NW | 2 | | | 0 | 0 | 0 | 0 | Clear | | | 20 |
| 21 | 84.0 | 29.297 | .156 | 29.141 | 30.04 | 71.3 | 66.8 | 64 | 79 | .595 | 85.4 | 69.2 | W | 4 | | | 0 | 5 | Ast | W | Pt. Cloudy | | | 21 |
| 22 | 86.0 | 29.340 | .161 | 29.179 | 30.08 | 72.7 | 63.2 | 58 | 60 | .482 | 85.2 | 67.5 | N | 5 | | | 0 | 0 | 0 | 0 | Clear | | | 22 |
| 23 | 84.5 | 29.340 | .157 | 29.183 | 30.10 | 65.5 | 59.0 | 54 | 68 | .417 | 79.2 | 60.3 | SE | 2 | | | 0 | 5 | Cu | SE | Pt. Cloudy | | | 23 |
| 24 | 81.5 | 28.994 | .148 | 28.846 | 29.75 | 71.8 | 68.8 | 68 | 86 | .684 | 71.8 | 66.2 | SW | 5 | | | .66 | 5 | Cu | SW | Pt. Cloudy | | | 24 |
| 25 | 82.0 | 29.172 | .150 | 29.022 | 29.93 | 65.0 | 59.9 | 57 | 75 | .465 | 79.0 | 61.9 | N | 8 | | | 0 | 1 | Ast | NW | Clear | | | 25 |
| 26 | 80.0 | 29.356 | .145 | 29.211 | 30.13 | 66.0 | 58.0 | 53 | 62 | .402 | 73.0 | 58.0 | 0 | 0 | | | 0 | 0 | 0 | 0 | Clear | | | 26 |
| 27 | 79.5 | 29.176 | .143 | 29.033 | 29.94 | 66.8 | 59.9 | 55 | 67 | .432 | 76.3 | 63.6 | S | 5 | | | 0 | 4 | A Cu | NW | Cloudy | | | 27 |
| | | | | | | | | | | | | | | | | | | 4 | St Cu | SW | | | | |
| 28 | 77.5 | 29.034 | .137 | 28.897 | 29.81 | 63.5 | 63.0 | 62 | 97 | .555 | 68.6 | 62.0 | NE | 8 | | | 1.38 | 10 | St | NE | Cloudy | | | 28 |
| 29 | 76.0 | 29.136 | .134 | 29.002 | 29.91 | 63.0 | 60.4 | 59 | 86 | .499 | 74.2 | 59.2 | NW | 4 | | | 0 | 0 | 0 | 0 | Clear | | | 29 |
| 30 | 78.5 | 29.212 | .141 | 29.071 | 29.98 | 67.2 | 64.1 | 62 | 85 | .555 | 80.0 | 64.6 | NE | 4 | | | 0 | 2 | A Cu | NW | Pt. Cloudy | | | 30 |
| | | | | | | | | | | | | | | | | | | 3 | Cu | NE | | | | |
| 31 | 77.0 | 29.253 | .137 | 29.116 | 30.03 | 67.3 | 63.8 | 62 | 83 | .555 | 76.0 | 63.4 | NE | 6 | | | 0 | 1 | Cu. | NE | Clear | | | 31 |
| Sums | (a) | (a) | | 903.434 | 931.69 | 2112.2 | 1968.8 | 1886 | 2424 | 16761 | (a) | (a) | (a) | 158 | (a) | (a) | 226 | 122 | (a) | (a) | (a) | | (a) | (a) |
| Means | (a) | (a) | | 29.143 | 30.055 | 68.1 | 63.5 | 60.8 | 78.2 | .541 | (a) | (a) | (c) NE | 5.1 | (a) | (a) | (a) | 3.9 | U ast. L Cu. | U NW L NE | (a) | | (a) | (a) |

Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

U, upper clouds. L, lower clouds.

8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at [illegible], for the Month of July, 1923.

Number of Station barometer, 656; sum of corrections, -.009 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 P. M. 90° MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:17 P. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-reg.ther's. Max. (b) | Self-reg.ther's. Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 p.m. (b) †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Fog, Mid. to Mid. (local standard time). Light. (f) | Fog, Mid. to Mid. (local standard time). Dense. (f) | Initials of observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | | |
| 1 | 74.0 | 29.414 | .130 | 29.284 | 30.21 | 74.4 | 67.9 | 65 | 85 | .298 | 76.9 | 60.0 | SE | 3 | | | 0 | 2 | Cu | SE | Clear | | | PMW | 1 |
| 2 | 76.0 | 29.372 | .134 | 29.238 | 30.16 | 77.0 | 61.0 | 60 | 39 | .360 | 82.0 | 62.5 | W | 5 | | | 0 | 6 | AST | W | Pt. Cloudy | | | | 2 |
| 3 | 77.0 | 29.320 | .137 | 29.183 | 30.10 | 95.8 | 65.3 | 60 | 57 | .517 | 81.1 | 62.0 | SW | 8 | | | T | 7 | Cu | NW | Pt. Cloudy | | | | 3 |
| 4 | 79.0 | 29.340 | .142 | 29.198 | 30.11 | 77.2 | 71.2 | 68 | 75 | .684 | 86.3 | 68.0 | N | 2 | | | .08 | 2 2 | A Cu Cu | NW N | Pt. Cloudy | | | PMW | 4 |
| 5 | 81.0 | 29.279 | .148 | 29.131 | 30.04 | 80.0 | 72.0 | 69 | 68 | .707 | 82.8 | 70.0 | SW | 6 | | | T | 7 | Cu | W | Pt. Cloudy | | | | 5 |
| 6 | 80.0 | 29.211 | .145 | 29.066 | 29.98 | 74.0 | 70.5 | 69 | 84 | .707 | 84.8 | 72.0 | 0 | 0 | | | .02 | 4 3 | AST Cu | NW NW | Pt. Cloudy | | | | 6 |
| 7 | 79.5 | 29.207 | .143 | 29.064 | 29.97 | 71.0 | 69.0 | 68 | 90 | .684 | 84.7 | 66.1 | E | 10 | 31 | NE | 1.08 | 9 | StCu | NW | Cloudy | | | | 7 |
| 8 | 81.0 | 29.283 | .148 | 29.135 | 30.05 | 76.2 | 65.2 | 59 | 55 | .499 | 83.6 | 66.0 | E | 7 | | | 0 | 4 | Cu St | N | Pt. Cloudy | | | | 8 |
| 9 | 83.0 | 29.210 | .152 | 29.058 | 29.97 | 84.4 | 71.0 | 65 | 52 | .616 | 88.7 | 66.9 | SW | 4 | | | 0 | 5 | Cu St | NW | Pt. Cloudy | | | | 9 |
| 10 | 86.0 | 29.130 | .160 | 28.970 | 29.86 | 82.2 | 71.0 | 66 | 58 | .638 | 92.6 | 76.0 | SW | 5 | | | T | 4 4 | AST StCu | NW NW | Cloudy | | | | 10 |
| 11 | 83.0 | 29.164 | .152 | 29.012 | 29.91 | 72.2 | 70.0 | 69 | 90 | .707 | 86.1 | 69.6 | SW | 10 | 33 | NE | 1.06 | 9 5 | ACu Cu | NW NW | Cloudy | | | | 11 |
| 12 | 83.0 | 29.228 | .152 | 29.076 | 29.99 | 78.0 | 69.0 | 66 | 64 | .616 | 83.8 | 70.6 | E | 5 | | | 0 | 5 | Cu | N | Pt. Cloudy | | | | 12 |
| 13 | 83.0 | 29.213 | .152 | 29.061 | 29.97 | 82.0 | 66.0 | 57 | 43 | .465 | 85.3 | 69.3 | 0 | 0 | | | 0 | 2 | Cu | N | Clear | | | | 13 |
| 14 | 86.0 | 29.116 | .160 | 28.956 | 29.86 | 84.0 | 72.0 | 67 | 56 | .661 | 88.9 | 70.9 | SW | 5 | | | 0 | 1 1 | AST Cu | NW SW | Clear | | | PMW | 14 |
| 15 | 84.0 | 29.116 | .155 | 28.961 | 29.86 | 73.0 | 69.9 | 69 | 86 | .707 | 83.6 | 68.0 | SW | 3 | | | .16 | 6 2 | AST Cu | W SW | Cloudy | | | | 15 |
| 16 | 82.0 | 29.286 | .150 | 29.136 | 30.05 | 76.2 | 67.0 | 62 | 62 | .555 | 81.4 | 65.0 | E | 6 | | | 0 | 2 | Cu | NE | Clear | 9:15 PM 8:22 AM | | | 16 |
| 17 | 82.0 | 29.397 | .151 | 29.246 | 30.17 | 77.1 | 61.2 | 50 | 38 | .360 | 83.3 | 66.0 | E | 5 | | | 0 | 0 | 0 | 0 | Clear | | | | 17 |
| 18 | 82.0 | 29.400 | .151 | 29.249 | 30.16 | 82.0 | 66.7 | 58 | 45 | .482 | 85.6 | 67.0 | NE | 3 | | | 0 | 0 | 0 | 0 | Clear | | | | 18 |
| 19 | 85.0 | 29.364 | .158 | 29.206 | 30.12 | 86.0 | 65.0 | 52 | 31 | .387 | 88.8 | 68.4 | 0 | 0 | | | 0 | 1 | AST | N | Clear | | | | 19 |
| 20 | 87.0 | 29.280 | .163 | 29.117 | 30.02 | 85.4 | 69.0 | 61 | 44 | .536 | 91.6 | 73.3 | SW | 5 | | | 0 | 3 | AST | W | Clear | | | | 20 |
| 21 | 88.0 | 29.231 | .165 | 29.066 | 29.97 | 85.2 | 73.2 | 68 | 57 | .684 | 92.1 | 71.3 | NW | 8 | | | 0 | 4 2 | AST Cu | W NW | Pt. Cloudy | | | | 21 |
| 22 | 87.0 | 29.304 | .163 | 29.141 | 30.05 | 79.2 | 64.2 | 55 | 44 | .432 | 86.8 | 72.7 | E | 6 | | | 0 | 2 | AST | NW | Clear | | | PMW | 22 |
| 23 | 82.0 | 29.121 | .149 | 28.972 | 29.88 | 69.8 | 65.3 | 63 | 79 | .575 | 83.0 | 65.5 | SE | 8 | | | .06 | 9 | StCu | NW | Cloudy | | | | 23 |
| 24 | 83.5 | 29.028 | .153 | 28.875 | 29.78 | 79.0 | 69.0 | 61 | 54 | .536 | 83.8 | 71.8 | NW | 9 | | | 0 | 1 | Cu | NW | Clear | | | | 24 |
| 25 | 81.0 | 29.204 | .147 | 29.057 | 29.97 | 93.0 | 60.0 | 51 | 46 | .373 | 98.5 | 65.0 | NE | 8 | | | 0 | 0 | 0 | 0 | Clear | | | | 25 |
| 26 | 80.0 | 29.226 | .145 | 29.081 | 29.99 | 75.3 | 60.8 | 51 | 43 | .373 | 79.2 | 66.0 | E | 3 | | | 0 | 3 | AST | NW | Clear | | | | 26 |
| 27 | 78.0 | 29.037 | .138 | 28.899 | 29.81 | 68.2 | 67.0 | 67 | 94 | .661 | 77.8 | 66.8 | SW | 5 | | | .55 | 10 | St | SW | Cloudy | | | | 27 |
| 28 | 78.0 | 29.032 | .138 | 28.894 | 29.80 | 74.2 | 65.7 | 61 | 64 | .536 | 78.4 | 63.5 | NW | 10 | | | 0 | 4 | Cu | NW | Pt. Cloudy | | | | 28 |
| 29 | 79.0 | 29.140 | .142 | 28.998 | 29.91 | 80.0 | 65.2 | 56 | 45 | .448 | 83.7 | 63.0 | NW | 2 | | | 0 | 8 | AST | W | Cloudy | | | PMW | 29 |
| 30 | 78.5 | 29.179 | .141 | 29.038 | 29.95 | 76.0 | 67.0 | 62 | 63 | .555 | 83.0 | 67.2 | NE | 3 | | | T | 8 | Cu | NE | Cloudy | | | | 30 |
| 31 | 81.0 | 29.175 | .147 | 29.028 | 29.93 | 80.0 | 70.0 | 65 | 61 | .616 | 85.0 | 67.3 | SE | 3 | | | 0 | 8 | St Cu | NW | Cloudy | | | RAS | 31 |
| Sums | (a) | (a) | (a) | 901.396 | 929.60 | 2408.6 | 2075.3 | 1889 | 1822 | 16.975 | (a) | (a) | (a) | 157 | (a) | (a) | 3.00 | 149 | (a) | (a) | (a) | 1 | 0 | (a) | (a) |
| Means | (a) | (a) | (a) | 29.077 | 29.987 | 77.7 | 66.9 | 60.9 | 58.8 | .548 | (a) | (a) | (c) SW | 5.1 | (a) | (a) | (a) | 4.8 | U a.St L Cu | U NW L NW | (a) | (a) | (c) | (a) | (a) |

Observations are begun about 7.40 o'clock, 75th meridian time.

†By dial when self-register is out of order. ††T indicates trace of precipitation. U, upper clouds. L, lower clouds.

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# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of July, 1923

| Date. | TEMPERATURE. | | | | | | | | PRECIPITATION. | | | | | | | | | | | | | | | | | | | | | | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Maximum. (b) | Minimum. (b) | Range. (b) | Change. (b) | Mean (max. and min.). (b) | Normal. | Departure. | Total excess or deficiency since 1st of month. | Character. ‡ | Beginning. | Ending. | Character. ‡ | Beginning. | Ending. | Character. ‡ | Beginning. | Ending. | Character. ‡ | Beginning. | Ending. | Total (mid. to mid.). (b) †† | Normal. | Departure. | Total excess or deficiency since 1st of month. | Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡ | Snow unmelted. 7 p.m. to 7 p.m. *‡‡ | Hail, sleet, and snow on ground at 7 p.m. *‡‡ | Amount of precipitation from melted snow (mid. to mid.). | | |
| | ° | ° | ° | ° | ° | | | | | | | | | | | | | | | | In. | | | | In. | In. | In. | In. | | |
| 1 | 77 | 63 | 24 | 6 | 65 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 1 | |
| 2 | 82 | 57 | 25 | 5 | 70 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 2 | |
| 3 | 81 | 61 | 20 | 1 | 71 | | | | R | 11:07a | 11:35a | | | | | | | | | | T | | | | 0 | 0 | 0 | 0 | 3 | |
| 4 | 86 | 61 | 25 | 3 | 74 | | | | R | 4:44p | 5:55p | | | | | | | | | | .08 | | | | 0 | 0 | 0 | 0 | 4 | |
| 5 | 83 | 68 | 15 | 2 | 76 | | | | R | DNA | DNA | R | 6:39a | 7:05a | R | 9:33a | 10:20a | R | 3:42p | 4:10p | .14 | | | | 0 | 0 | 0 | 0 | 5 | |
| 6 | 85 | 68 | 17 | 0 | 76 | | | | R | 10:12a | 10:20a | R | 1:55p | 2:35p | R | 3:42p | 3:50p | | | | .02 | | | | 0 | 0 | 0 | 0 | 6 | |
| 7 | 85 | 66 | 19 | 0 | 76 | | | | R | 5:50a | 7:20a | R | 2:12p | 4:00p | | | | | | | 1.13 | | | | 0 | 0 | 0 | 0 | 7 | |
| 8 | 84 | 63 | 21 | 2 | 74 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 8 | |
| 9 | 89 | 58 | 31 | 0 | 74 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 9 | |
| 10 | 93 | 71 | 22 | 8 | 82 | | | | R | 6:35p | 6:40p | | | | | | | | | | T | | | | 0 | 0 | 0 | 0 | 10 | |
| 11 | 86 | 69 | 17 | 4 | 78 | | | | R | 12:10a | 12:35a | R | 11:11a | 11:17a | R | 11:53a | 1:10p | R | 2:10p | 6:40p | 1.07 | | | | 0 | 0 | 0 | 0 | 11 | |
| 12 | 84 | 69 | 15 | 2 | 76 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 12 | |
| 13 | 85 | 64 | 21 | 2 | 74 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 13 | |
| 14 | 89 | 67 | 22 | 4 | 78 | | | | R | DNA | DNA | R | 10:03a | 10:35a | R | 11:33a | 11:50a | R | 2:27p | 3:45p | T | | | | 0 | 0 | 0 | 0 | 14 | |
| 15 | 84 | 68 | 16 | 2 | 76 | | | | R | 2:15p | 2:20p | | | | | | | | | | .16 | | | | 0 | 0 | 0 | 0 | 15 | |
| 16 | 81 | 64 | 17 | 4 | 72 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 16 | |
| 17 | 83 | 60 | 23 | 0 | 72 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 17 | |
| 18 | 86 | 60 | 26 | 1 | 73 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 18 | |
| 19 | 89 | 64 | 25 | 3 | 76 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 19 | |
| 20 | 92 | 61 | 31 | 0 | 76 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 20 | |
| 21 | 92 | 69 | 23 | 4 | 80 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 21 | |
| 22 | 86 | 67 | 19 | 4 | 76 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 22 | |
| 23 | 83 | 60 | 23 | 4 | 72 | | | | R | 2:05p | 2:19p | R | 2:58p | 4:34p | R | 5:10p | 5:45p | R | 8:30p | 8:40p | .66 | | | | 0 | 0 | 0 | 0 | 23 | |
| | | | | | | | | | R | 10:30p | Cont'd | | | | | | | | | | | | | | | | | | | |
| 24 | 84 | 66 | 18 | 3 | 75 | | | | R | Cont'd | DNA | | | | | | | | | | .05 | | | | 0 | 0 | 0 | 0 | 24 | |
| 25 | 78 | 62 | 16 | 5 | 70 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 25 | |
| 26 | 79 | 58 | 21 | 2 | 68 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 26 | |
| 27 | 78 | 64 | 14 | 3 | 71 | | | | R | 11:03a | 6:32p | R | 7:50p | Cont'd | | | | | | | 1.92 | | | | 0 | 0 | 0 | 0 | 27 | |
| 28 | 78 | 62 | 16 | 1 | 70 | | | | R | Cont'd | 6:30a | | | | | | | | | | .01 | | | | 0 | 0 | 0 | 0 | 28 | |
| 29 | 84 | 59 | 25 | 2 | 72 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 29 | |
| 30 | 83 | 65 | 18 | 2 | 74 | | | | R | 11:07a | 11:38a | R | 2:30p | 2:50p | | | | | | | T | | | | 0 | 0 | 0 | 0 | 30 | |
| 31 | 85 | 63 | 22 | 0 | 74 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 31 | |
| S | 2614 | 1967 | 647 | 78 | 2291 | | Total excess or deficiency since January 1, | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | 5.26 | | Total excess or deficiency since January 1, | | 0 | 0 | (a) | (a) | (a) | |
| M | 843 | 635 | 209 | 2.5 | 739 | (a) | | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | | | (a) | (a) | (a) | (a) | (a) | |

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, $S^d$—dry snow, $S^m$—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.



8—154

# SUMMARY FOR THE MONTH OF July, 1923.

The 8 a.m. and 8 p.m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

## PRESSURE.

(Correction to reduce to a 24-hour mean .003.)

### STATION.

| Mean. 8 a.m. | Mean. 8 p.m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 29.143 | 29.077 | 29.110 | 29.342 | 1 | 28.830 | 24 | 0.512 |
| Corrected mean | | 29.107 | | | | | |

### REDUCED.

| Mean. 8 a.m. | Mean. 8 p.m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 30.055 | 29.987 | 30.021 | 30.27 | 1 | 29.73 | 24 | 0.54 |
| Corrected mean | | 30.018 | | | | | |

## TEMPERATURE.

### MEAN.

| Dry. 8 a.m. | Dry. 8 p.m. | Dry. (8+8)÷2 (g) | Wet. 8 a.m. | Wet. 8 p.m. | Wet. Monthly. (g) | Max. | Min. | Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 68.1 | 77.7 | 72.9 | 63.5 | 66.9 | 65.2 | 84.3 | 63.5 | 73.9 |

| Highest. (i) | Date. (i) | Lowest. (i) | Date. (i) | Absolute range. | Greatest daily range. (i) | Date. (i) | Least daily range. (i) | Date. (i) |
|---|---|---|---|---|---|---|---|---|
| 93 | 10 | 53 | 1 | 40 | 31 | 20 | 14 | 27 |

| Dew-point. 8 a.m. | Dew-point. 8 p.m. | Dew-point. Monthly. (g) | Relative Humidity. 8 a.m. | Relative Humidity. 8 p.m. | Relative Humidity. Monthly. (g) | Vapor Pressure. 8 a.m. | Vapor Pressure. 8 p.m. | Vapor Pressure. Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 60.8 | 60.9 | 60.8 | 78.2 | 58.8 | 68.5 | .541 | .548 | .544 |

| Number of days with—(j) Maximum. 32° or below. | Maximum. 90° or above. | Minimum. 32° or below. | Minimum. Zero or below. |
|---|---|---|---|
| 0 | 3 | 0 | 0 |

**CLOUDS.**

Most frequent clouds Cu.

Most frequent direction upper clouds NW

Most frequent direction lower clouds NW

## WIND.

| Total movement (mid. to mid.). | Average hourly velocity. | Prevailing direction. (p) | Maximum velocity. (r) | Direction. (r) | Date. (r) | Number of times wind observed from the—N. | NE. | E. | SE. | S. | SW. | W. | NW. | Calm. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4324 | 5.8 | SW | 33 | NE | 11 | 3 | 12 | 10 | 4 | 3 | 15 | 4 | 6 | 5 |

## WEATHER.

| Mean Cloudiness. 8 a.m. | 8 p.m. | Monthly. (t) | Sunshine. Percentage of possible. | Number of Days. Clear. | Partly cloudy. | Cloudy. | Number of Days with Precipitation (Mid. to Mid.). Clear. (u) | Partly cloudy. (u) | Cloudy. (u) |
|---|---|---|---|---|---|---|---|---|---|
| 3.9 | 4.8 | 4.6 | 70 | 12 | 11 | 8 | 0 | 3 | 7 |

## MISCELLANEOUS PHENOMENA.

Dates of—(Midnight to Midnight).

| Frosts. Light. | Heavy. | Killing. | Thunderstorms. (v) | Winds. (40 miles or over.) | Solar Halos. | Lunar Halos. | Fog. Light. | Dense. | Haze. Light. | Dense. | Smoke. Light. | Dense. | Hail. | Aurora. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 4, 5, 6, 7, 11, 14, 15, 23, 24, 30. | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

## PRECIPITATION (in inches and hundredths). (m)

| Total amount. | Greatest Amount in 24 Consecutive Hours. Amt. | Date. (k) | Excessive. 2.50 Inches in 24 Hours. (l) * Amt. | Duration. h. m. | Date. (k) | 1 Inch per Hour. (l) Amt. | Duration. h. m. | Date. (k) |
|---|---|---|---|---|---|---|---|---|
| 5.26 | 1.93 | 27-28 | 0 | | | 1.00 | 0 25 | 7 |

| Number of days with—(Mid. to Mid.). Trace. | .01 or more. | .04 or more. | .25 or more. | 1.00 or more. | Total. | Snow. Trace or more. | Snow. .01 or more melted. | Snow. Total Depth. (o) | Snow. Average Depth at End of Month. |
|---|---|---|---|---|---|---|---|---|---|
| 4 | 10 | 8 | 4 | 3 | 14 | 0 | 0 | 0 | 0 |

(w) Maximum precipitation in 5 minutes ~~0.21~~ .36, date ~~23~~ 7"; 10 minutes ~~.32~~ 0.60, date 7"; 15 minutes 0.68, date 7";
30 minutes ~~1.01~~ 1.03, date 7"; 1 hour 1.06, date 7"; 2 hours 1.14, date 27".

## EXCESSIVE.

| Date. | Total Duration. From— | To— | Total amount of precipitation. | Excessive Rate. Began— | Ended— | Amt. before excessive began. | Accumulated Depths During Excessive Rate for Consecutive Periods of Time Indicated Below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7" | 2:12 pm | 4:00 pm | 1.07 | ~~3:00 P~~ ~~2:50 pm~~ | 3:26 pm | ~~.05~~ ~~.22~~ | ~~.10~~ ~~.02~~ | ~~.23~~ ~~.08~~ | ~~.60~~ ~~.24~~ | ~~.83~~ ~~.46~~ | ~~.99~~ ~~.83~~ | ~~1.02~~ ~~.97~~ | 1.04 | | | | | | | |
| 11 | ~~11:55 am~~ 11:55 am | 1:10 pm | 0.60 | | 12:18 pm | ~~.01~~ 0 | ~~.10~~ .09 | .11 | ~~.38~~ .28 | ~~.54~~ .53 | ~~.59~~ .60 | | | | | | | | | |

* The duration is the time precipitation was actually recorded.

8—154

Prepared by C.C.S.

C. F. Marvin, Meteorologist, Weather Bureau.

(9)

*ORIGINAL MONTHLY RECORD OF OBSERVATIONS at* Fort Wayne, Ind., *for the Month of* July, 1923.

*Number of Station barometer,* 656; *sum of corrections,* -.009 *inch.*

SPECIAL OBSERVATIONS.

| Date. | Time. 75th mer. | Time. Local (standard). | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) | Barometer. Reduced to sea-level. | Thermometers. Dry. | Thermometers. Wet. | Dew-point. | Depression of the dew-point. | Relative humidity. | Maximum thermometer. | Wind. Direction. | Wind. Velocity. † | Wind. Max. since last observation. | Wind. Direction. | Precipitation. †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Special Phenomena. | Initials of Observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4" | 12 00 noon | 11 00 a.m. | 77.0 | 29.386 | .138 | 29.248 | 30.16 | 82.0 | 69.6 | 64 | 18 | 54 | 82.4 | S | 9 | | | 0 | 3 | Cu | SW | Clear | Directed taken by Chicago | AM.D | 4" |
| | | | | | | | | Pressure Extreme -LOWEST- | | | | | | | | | | | | | | | | | |
| 24 | 4 00 a.m. | 3 00 a.m. | | | | 28.830 | 29.73 | 69.0 | | | | | | | | | | | | | | | | | 24 |

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation.



8—15½

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of JULY 1923, 192

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

| DATE. | N. | | NE. | | E. | | SE. | | S. | | SW. | | W. | | NW. | | CALM. | | TOTAL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. |
| 1 | | | | | 15 | 6 | 59 | 14 | 3 | 2 | | | | | | | 0 | 2 | 77 | 24 |
| 2 | | | | | 23 | 7 | | | 15 | 4 | 29 | 4 | 34 | 9 | | | | | 101 | 24 |
| 3 | 8 | 2 | | | | | | | 11 | 3 | 90 | 13 | 8 | 2 | 25 | 2 | 0 | 2 | 142 | 24 |
| 4 | 6 | 2 | | | | | | | 10 | 2 | 86 | 19 | | | | | 0 | 1 | 102 | 24 |
| 5 | | | | | | | | | 23 | 4 | 149 | 20 | | | | | | | 172 | 24 |
| 6 | | | | | 6 | 1 | 4 | 1 | 16 | 3 | 104 | 14 | 13 | 3 | 15 | 2 | | | 158 | 24 |
| 7 | 2 | 1 | | | 78 | 9 | | | | | 72 | 12 | 3 | 1 | 7 | 1 | | | 162 | 24 |
| 8 | | | 81 | 9 | 120 | 15 | | | | | | | | | | | | | 201 | 24 |
| 9 | | | 5 | 2 | 5 | 3 | | | | | 69 | 12 | 3 | 1 | 13 | 3 | 0 | 3 | 95 | 24 |
| 10 | 7 | 2 | 2 | 1 | 4 | 1 | | | | | 83 | 10 | 90 | 9 | 7 | 1 | | | 193 | 24 |
| 11 | 16 | 5 | | | 6 | 2 | 12 | 3 | 21 | 3 | 53 | 8 | 10 | 2 | 3 | 1 | | | 121 | 24 |
| 12 | 9 | 2 | 92 | 14 | 37 | 8 | | | | | | | | | | | | | 138 | 24 |
| 13 | | | 58 | 16 | 27 | 5 | | | | | | | | | | | 0 | 3 | 85 | 24 |
| 14 | | | | | 6 | 2 | | | 14 | 4 | 139 | 17 | 7 | 1 | | | | | 166 | 24 |
| 15 | 20 | 3 | 5 | 1 | | | 15 | 3 | 12 | 1 | 64 | 12 | 12 | 2 | 6 | 2 | | | 134 | 24 |
| 16 | 6 | 1 | 113 | 15 | 16 | 3 | | | | | 7 | 3 | | | 5 | 2 | | | 147 | 24 |
| 17 | | | 75 | 10 | 110 | 14 | | | | | | | | | | | | | 185 | 24 |
| 18 | | | 54 | 9 | 96 | 15 | | | | | | | | | | | | | 150 | 24 |
| 19 | 47 | 11 | 24 | 7 | 3 | 1 | | | | | | | | | 7 | 1 | 0 | 4 | 81 | 24 |
| 20 | | | | | | | | | | | 53 | 10 | 22 | 8 | 18 | 4 | 0 | 2 | 93 | 24 |
| 21 | 18 | 3 | | | | | | | | | 30 | 5 | 25 | 5 | 114 | 11 | | | 187 | 24 |
| 22 | 113 | 16 | 19 | 2 | 22 | 5 | 3 | 1 | | | | | | | | | | | 157 | 24 |
| 23 | | | | | 15 | 2 | 46 | 12 | 87 | 8 | 18 | 2 | | | | | | | 166 | 24 |
| 24 | 84 | 9 | | | | | | | | | 57 | 7 | 4 | 1 | 70 | 7 | | | 215 | 24 |
| 25 | 132 | 16 | 48 | 6 | 9 | 2 | | | | | | | | | | | | | 189 | 24 |
| 26 | | | | | 44 | 11 | 47 | 10 | | | | | | | | | 0 | 3 | 91 | 24 |
| 27 | | | | | | | 35 | 12 | 56 | 9 | 15 | 2 | 1 | 1 | | | | | 107 | 24 |
| 28 | 36 | 5 | 90 | 12 | | | 3 | 1 | | | | | | | 50 | 6 | | | 179 | 24 |
| 29 | 12 | 3 | | | | | | | | | | | 14 | 3 | 63 | 18 | | | 89 | 24 |
| 30 | 4 | 1 | 63 | 16 | 12 | 2 | 4 | 1 | 11 | 1 | 5 | 1 | | | 5 | 2 | | | 104 | 24 |
| 31 | | | 60 | 11 | 61 | 9 | 16 | 4 | | | | | | | | | | | 137 | 24 |
| Sum. | 520 | 82 | 789 | 131 | 715 | 123 | 244 | 62 | 279 | 44 | 1123 | 171 | 246 | 48 | 408 | 63 | 0 | 20 | 4324 | 744 |
| Percentage | 12 | 11 | 18 | 18 | 17 | 17 | 6 | 8 | 6 | 6 | 26 | 23 | 6 | 6 | 9 | 8 | 0 | 3 | a | a |
| Avg. Hourly Velocity | 6.3 | a | 6.0 | a | 5.8 | a | 3.9 | a | 6.3 | a | 6.6 | a | 5.1 | a | 6.5 | a | 0 | a | 5.8 | a |

8—154

Form No. 1001—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE,

## WEATHER BUREAU.

# ORIGINAL MONTHLY RECORD

## OF

# OBSERVATIONS

## AT

Fort Wayne, Ind.

## *For the Month of* August, 1913

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, _____; No. of wet thermometer in use, _____; No. of maximum thermometer in use, _____; No. of minimum thermometer in use, _____

†Elevation above ground of the dry thermometer, _____ feet; rain gage, _____ feet; anemometer, _____ feet.

If the office has been moved during the month, give date _____; amount of change in height of barometer, _____ feet (higher or lower).

No. of extra barometer, 675; sum of corrections, -.017; date and observation upon which use of station barometer commenced, May 20, 1911 7:00 am, station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Corner of Berry & Calhoun street, room 911-912 Shoaff Building, first observation taken in present office, 7:00 a m. May 20, 1911.

*Cancel words that are not appropriate. †To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months. 8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of August, 1923.

Number of Station barometer, 656; sum of corrections, -.009 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 A. M. 90TH MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 A. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-reg. ther's. Max. (b) | Self-reg. ther's. Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 a. m. (b) †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | | Initials of observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | |
| 1 | 80.0 | 29.195 | .145 | 29.050 | 29.96 | 73.0 | 68.0 | 66 | 78 | .638 | 80.0 | 67.0 | SE | 3 | | | 0 | 2 | Cu | o? | Clear | | CWS | 1 |
| 2 | 83.0 | 29.142 | .152 | 28.990 | 29.88 | 72.6 | 68.6 | 67 | 82 | .661 | 84.0 | 71.2 | W | 2 | | | .23 | 10 | St | SW | Cloudy | | CWS | 2 |
| 3 | 82.0 | 29.206 | .150 | 29.055 | 29.97 | 70.0 | 70.0 | 70 | 100 | .732 | 79.5 | 69.7 | E | 4 | | | .89 | 10 | Nb | E | Hv. Rain | R | CWS | 3 |
| 4 | 81.0 | 29.156 | .147 | 29.009 | 29.91 | 72.8 | 71.3 | 71 | 93 | .757 | 72.8 | 69.1 | SE | 3 | | | .02 | 10 | St | SE | Cloudy | | CWS | 4 |
| 5 | 82.0 | 29.234 | .150 | 29.084 | 29.99 | 66.0 | 60.0 | 56 | 71 | .448 | 83.3 | 65.5 | NE | 10 | | | 1.01 | 10 | St | E | Cloudy | | CWS | 5 |
| 6 | 81.0 | 29.252 | .148 | 29.104 | 30.01 | 72.1 | 66.8 | 64 | 76 | .595 | 77.0 | 68.3 | E | 4 | | | 0 | 8 | Cu | SW | Cloudy | | CWS | 6 |
| 7 | 81.0 | 29.288 | .148 | 29.140 | 30.05 | 72.6 | 71.1 | 71 | 93 | .757 | 80.0 | 70.6 | SW | 5 | | | 0 | 0 | 0 | 0 | Clear | | CWS | 7 |
| 8 | 82.0 | 29.329 | .150 | 29.179 | 30.09 | 66.0 | 62.8 | 61 | 84 | .536 | 83.8 | 64.8 | E | 8 | | | .04 | 9 | ASt | W | Cloudy | | CWS | 8 |
| 9 | 77.0 | 29.370 | .137 | 29.233 | 30.15 | 63.8 | 60.0 | 58 | 80 | .482 | 74.0 | 59.3 | E | 8 | | | 0 | 5 | ACu | NW | Pt. Cloudy | | CWS | 9 |
| 10 | 78.0 | 29.304 | .140 | 29.164 | 30.07 | 69.0 | 61.0 | 56 | 64 | .448 | 78.9 | 62.3 | E | 4 | | | 0 | 2 | ASt | NW | Clear | | CWS | 10 |
| 11 | 80.5 | 29.303 | .146 | 29.157 | 30.07 | 69.7 | 66.2 | 65 | 83 | .616 | 80.8 | 69.7 | W | 2 | | | .03 | 10 | Nb | W | Lt. Rain | | CWS | 11 |
| 12 | 82.0 | 29.138 | .150 | 28.988 | 29.89 | 71.8 | 71.0 | 71 | 96 | .757 | 80.0 | 69.3 | SW | 5 | 26 | NW | .60 | 6 | CiSt. | NW | Pt. Cloudy | | CWS | 12 |
| 13 | 81.0 | 29.236 | .147 | 29.089 | 30.00 | 63.0 | 57.2 | 53 | 71 | .402 | 75.3 | 59.5 | N | 6 | | | 0 | 5 | CiSt | W | Pt. Cloudy | | CWS | 13 |
| 14 | 77.5 | 29.115 | .137 | 28.978 | 29.89 | 64.7 | 59.7 | 57 | 75 | .465 | 71.5 | 60.4 | SW | 9 | | | 0 | 1 | ASt | NE | Clear | | CWS | 14 |
| 15 | 79.0 | 29.259 | .142 | 29.117 | 30.03 | 65.6 | 58.0 | 53 | 64 | .402 | 78.2 | 60.6 | NE | 5 | | | 0 | Few | CiSt | NW | Clear | | CWS | 15 |
| 16 | 78.0 | 29.243 | .140 | 29.203 | 30.12 | 62.0 | 57.1 | 54 | 75 | .417 | 71.6 | 60.4 | E | 5 | | | 0 | 8 | ACu | W | Cloudy | | CWS | 16 |
| 17 | 75.0 | 29.345 | .132 | 29.213 | 30.13 | 62.0 | 56.0 | 52 | 69 | .387 | 66.3 | 59.5 | E | 7 | | | 0 | 3 | Cu | W | Clear | | CWS | 17 |
| 18 | 76.0 | 29.300 | .134 | 29.166 | 30.09 | 67.0 | 57.0 | 50 | 54 | .360 | 74.5 | 58.4 | NW | 2 | | | 0 | 0 | 0 | 0 | Clear | | CWS | 18 |
| 19 | 78.0 | 29.185 | .139 | 29.046 | 29.96 | 66.4 | 61.9 | 59 | 78 | .499 | 75.9 | 63.4 | SW | 6 | | | 0 | 4 | Cu. | SW | Pt. Cloudy | | [illegible] | 19 |
| 20 | 77.5 | 29.351 | .138 | 29.213 | 30.13 | 64.0 | 58.3 | 55 | 71 | .432 | 73.0 | 55.0 | N | 2 | | | 0 | Few | CiSt | NW | Clear | | CWS | 20 |
| 21 | 78.0 | 29.057 | .138 | 28.919 | 29.82 | 73.0 | 67.0 | 64 | 73 | .595 | 76.0 | 68.1 | SW | 12 | | | 0 | 5 | Cu | W | Pt. Cloudy | | CWS | 21 |
| 22 | 74.0 | 29.380 | .130 | 29.250 | 30.18 | 49.2 | 44.3 | 39 | 68 | .237 | 61.2 | 45.5 | N | 8 | | | 0 | 2 | ASt | NW | Clear | | CWS | 22 |
| 23 | 71.0 | 29.317 | .121 | 29.196 | 30.13 | 51.0 | 46.8 | 43 | 74 | .277 | 61.8 | 46.2 | N | 2 | | | 0 | 3 | ACu | W | Clear | | CWS | 23 |
| 24 | 69.5 | 29.137 | .117 | 29.020 | 29.94 | 59.2 | 53.8 | 49 | 71 | .347 | 64.1 | 53.6 | SW | 13 | | | T | 8 | StCu | NW | Cloudy | | CWS | 24 |
| 25 | 70.0 | 29.315 | .119 | 29.196 | 30.12 | 54.8 | 49.1 | 44 | 67 | .287 | 64.4 | 48.6 | W | 2 | | | 0 | 2 | ASt | W | Clear | | CWS | 25 |
| 26 | 73.0 | 29.320 | .126 | 29.194 | 30.11 | 56.1 | 49.8 | 44 | 64 | .287 | 66.0 | 50.1 | E | 3 | | | 0 | 6 | ACu | NW | Pt. Cloudy | | CWS | 26 |
| 27 | 70.5 | 29.160 | .120 | 29.040 | 29.96 | 64.0 | 61.5 | 60 | 87 | .517 | 68.7 | 61.1 | S | 10 | | | .49 | 8 | StCu | SW | Cloudy | | CWS | 27 |
| 28 | 71.0 | 29.000 | .120 | 28.880 | 29.79 | 64.6 | 61.8 | 60 | 86 | .517 | 69.4 | 62.6 | SW | 11 | | | .21 | 10 | St | SW | Cloudy | | CWS | 28 |
| 29 | 72.0 | 29.257 | .124 | 29.133 | 30.05 | 60.5 | 59.0 | 58 | 92 | .482 | 69.9 | 56.9 | SW | 6 | | | 0 | Few | Cu | W | Clear | | CWS | 29 |
| 30 | 74.0 | 29.368 | .129 | 29.239 | 30.16 | 65.2 | 62.2 | 60 | 85 | .517 | 71.6 | 59.8 | SW | 2 | | | 0 | 0 | 0 | 0 | Clear | | CWS | 30 |
| 31 | 77.0 | 29.355 | .137 | 29.218 | 30.13 | 62.1 | 63.1 | 61 | 80 | .536 | 78.0 | 62.6 | W | 1 | | | 0 | 3 | Cu | W | Clear | | CWS | 31 |
| Sums | | (a) | (a) | 902.463 | 930.78 | 2018.8 | 1880.4 | 1791 | 2404 | 15390 | (a) | (a) | (a) | 170 | (a) | (a) | 3.50 | 150 | (a) | (a) | (a) | | (a) | (a) |
| Means | | (a) | (a) | 29.112 | 30.025 | 65.1 | 60.7 | 57.8 | 77.5 | .496 | (a) | (a) | (c) SW | 5.5 | (a) | (a) | (a) | 4.8 | U a.St. L Cu. | U NW L SW to W (a) | | | | (a) | (a) |

Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

U, upper clouds.

L, lower clouds.

8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of [illegible] 1923.

Number of Station barometer, 656; sum of corrections, -.009 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 P. M. 90° MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 2:19 P. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-reg. ther's. Max. (b) | Self-reg. ther's. Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 p.m. (b) †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Fog, Mid. to Mid. (local standard time). Light. (f) | Fog, Mid. to Mid. (local standard time). Dense. (f) | Initials of observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | In. | In. | — | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | | |
| 1 | 84.0 | 29.154 | .155 | 28.999 | 29.89 | 94.0 | 72.0 | 67 | 56 | .661 | 88.3 | 73.0 | S | 5 | | | 0 | 6 | AST | W | | | | | 1 |
| 2 | 83.0 | 29.174 | .152 | 29.022 | 29.92 | 79.5 | 73.5 | 71 | 76 | .757 | 82.6 | 72.0 | NW | 4 | | | 0 | 10 | St | NW | Cloudy | | | | 2 |
| 3 | 81.5 | 29.146 | .149 | 28.997 | 29.91 | 92.3 | 70.8 | 70 | 93 | .732 | 81.7 | 70.0 | SE | 6 | | | .10 | 10 | Nb | S | Lt. Rain | | | | 3 |
| 4 | 84.5 | 29.137 | .156 | 28.981 | 29.87 | 83.3 | 75.3 | 72 | 70 | .783 | 86.1 | 72.8 | W | 3 | | | 0 | 10 | StCu | NW | Cloudy | | | | 4 |
| 5 | 82.5 | 29.250 | .152 | 29.098 | 30.01 | 77.0 | 68.0 | 64 | 63 | .575 | 79.4 | 66.0 | NE | 4 | | | 0 | 3 | AST | NE | Clear | | | | 5 |
| 6 | 83.0 | 29.196 | .152 | 29.044 | 29.95 | 80.0 | 73.8 | 72 | 75 | .783 | 82.6 | 72.1 | SW | 7 | | | .24 | 7 | AST | NW | Cloudy | | | | 6 |
| 7 | 85.0 | 29.240 | .158 | 29.082 | 29.98 | 83.8 | 76.8 | 74 | 73 | .838 | 89.4 | 72.6 | W | 4 | | | T | 10 | St | W | Cloudy | | | | 7 |
| 8 | 80.0 | 29.312 | .145 | 29.167 | 30.09 | 74.0 | 66.7 | 63 | 69 | .575 | 75.2 | 66.0 | NE | 5 | | | 0 | 4 | StCu | NE | Pt. Cloudy | | | | 8 |
| 9 | 80.0 | 29.288 | .145 | 29.143 | 30.05 | 78.9 | 65.0 | 57 | 47 | .465 | 81.6 | 63.8 | E | 2 | | | 0 | 1 | Ci Cu | SW E | Clear | | | | 9 |
| 10 | 81.5 | 29.262 | .149 | 29.113 | 30.02 | 80.8 | 70.8 | 66 | 61 | .638 | 85.0 | 69.0 | SW | 4 | | | 0 | 5 | AST | NW | Pt. Cloudy | | | | 10 |
| 11 | 83.0 | 29.164 | .152 | 29.012 | 29.91 | 80.0 | 74.7 | 72 | 78 | .783 | 86.8 | 69.0 | S | 5 | | | .05 | 6 | Cu | W | Pt. Cloudy | | | | 11 |
| 12 | 85.0 | 29.135 | .158 | 28.977 | 29.88 | 75.3 | 65.8 | 61 | 61 | .536 | 82.4 | 71.8 | NW | 7 | | | 0 | 1 | AST | NW | Clear | | | | 12 |
| 13 | 80.0 | 29.154 | .145 | 29.009 | 29.93 | 71.5 | 65.0 | 62 | 71 | .555 | 75.0 | 63.0 | W | 2 | | | 0 | 0 | Ci-St | NW | Clear | | | | 13 |
| 14 | 82.5 | 29.080 | .150 | 28.930 | 29.84 | 78.2 | 66.2 | 59 | 53 | .499 | 86.0 | 64.7 | NW | 9 | | | 0 | 1 | Cu | NW | Clear | | | | 14 |
| 15 | 82.0 | 29.292 | .150 | 29.142 | 30.05 | 71.6 | 59.1 | 51 | 48 | .373 | 78.3 | 65.6 | NW | 6 | | | 0 | 2 | St | NW | Clear | | | | 15 |
| 16 | 76.0 | 29.335 | .134 | 29.201 | 30.12 | 66.3 | 60.2 | 56 | 70 | .448 | 69.2 | 62.0 | NE | 2 | | | T | 9 | StCu | NE | Cloudy | | | | 16 |
| 17 | 78.0 | 29.282 | .140 | 29.142 | 30.05 | 74.5 | 59.0 | 48 | 39 | .334 | 78.0 | 62.0 | NE | 6 | | | 0 | 0 | 0 | 0 | Clear | | | | 17 |
| 18 | 82.5 | 29.180 | .151 | 29.029 | 29.94 | 75.9 | 64.9 | 59 | 55 | .499 | 82.4 | 67.0 | SW | 7 | | | 0 | Few | St. | SW | Clear | | | | 18 |
| 19 | 80.5 | 29.220 | .146 | 29.074 | 29.98 | 73.0 | 59.8 | 51 | 46 | .373 | 81.2 | 66.4 | NW | 7 | | | 0 | Few | St | NW | Clear | | | | 19 |
| 20 | 79.5 | 29.232 | .143 | 29.089 | 30.00 | 75.0 | 63.7 | 57 | 54 | .465 | 80.6 | 64.0 | S | 7 | | | 0 | 8 | AST | W | Cloudy | | | | 20 |
| 21 | 77.5 | 29.110 | .137 | 28.973 | 29.89 | 61.2 | 57.2 | 54 | 79 | .417 | 80.7 | 60.3 | N | 12 | 29 | SW | .11 | 9 | StCu | N | Cloudy | | | | 21 |
| 22 | 74.5 | 29.328 | .130 | 29.198 | 30.13 | 61.8 | 57.8 | 43 | 50 | .277 | 64.9 | 49.2 | N | 5 | | | 0 | Few | St | N | Clear | | | | 22 |
| 23 | 74.5 | 29.236 | .130 | 29.106 | 30.03 | 64.1 | 54.0 | 46 | 52 | .310 | 68.6 | 51.0 | SW | 6 | | | 0 | 0 | 0 | 0 | Clear | | | | 23 |
| 24 | 72.0 | 29.175 | .124 | 29.051 | 29.99 | 64.4 | 50.0 | 35 | 34 | .203 | 72.8 | 57.2 | N | 8 | 27 | NW | T | Few | St | N | Clear | | | | 24 |
| 25 | 73.0 | 29.300 | .126 | 29.174 | 30.09 | 66.0 | 55.5 | 47 | 51 | .322 | 70.9 | 54.8 | N | 3 | | | 0 | 1 | AST | NW | Clear | | | | 25 |
| 26 | 71.0 | 29.210 | .121 | 29.089 | 30.01 | 68.7 | 60.2 | 55 | 61 | .432 | 72.6 | 56.1 | E | 8 | | | T | 8 | AST | NW | Cloudy | | | | 26 |
| 27 | 72.0 | 29.103 | .123 | 28.980 | 29.90 | 69.4 | 67.4 | 66 | 90 | .638 | 72.6 | 64.0 | SW | 8 | | | .27 | 10 | St | S | Cloudy | | | | 27 |
| 28 | 74.0 | 29.091 | .128 | 28.963 | 29.88 | 69.9 | 62.4 | 59 | 74 | .499 | 74.9 | 64.6 | NW | 8 | | | 0 | 2 | St | NW | Clear | B-11:40 P E-Dark | B-Dark E-6:10 A | | 28 |
| 29 | 75.0 | 29.276 | .132 | 29.144 | 30.06 | 71.6 | 66.0 | 63 | 75 | .575 | 80.2 | 60.5 | S | 6 | | | T | 8 | Cu | SW | Cloudy | | | | 29 |
| 30 | 78.5 | 29.340 | .141 | 29.199 | 30.12 | 78.0 | 66.6 | 60 | 55 | .517 | 83.7 | 65.2 | W | 2 | | | 0 | 1 | St | W | Clear | | | | 30 |
| 31 | 79.0 | 29.292 | .142 | 29.150 | 30.06 | 70.0 | 66.0 | 64 | 81 | .595 | 86.2 | 67.1 | S | 4 | | | .08 | 10 | StCu | S | Cloudy | | | | 31 |
| Sums | (a) | (a) | (a) | 901.278 | 929.53 | 2278.0 | 2008.2 | 1844 | 1960 | 16.477 | (a) | (a) | (a) | 172 | (a) | (a) | 0.85 | 147 | (a) | (a) | (a) | 2 | 1 | (a) | (a) |
| Means | (a) | (a) | (a) | 29.073 | 29.985 | 73.5 | 64.8 | 59.5 | 63.2 | .532 | (a) | (a) | (c) NW | 5.5 | (a) | (a) | (a) | 4.7 | U QSt L St. | U NW L NW | (a) | (a) | (a) | (a) | (a) |

Observations are begun about 7.40 o'clock, 75th meridian time.

†By dial when self-register is out of order. ††T indicates trace of precipitation. U, upper clouds. L, lower clouds.

A—154

# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of August, 1923.

| Date. | TEMPERATURE. Maximum (b) | Minimum (b) | Range (b) | Change (b) | Mean (max. and min.) (b) | Normal | Departure | Total excess or deficiency since 1st of month | PRECIPITATION. Character ‡ | Beginning | Ending | Character ‡ | Beginning | Ending | Character ‡ | Beginning | Ending | Character ‡ | Beginning | Ending | Total (mid. to mid.) (b) †† | Normal | Departure | Total excess or deficiency since 1st of month | Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡ | Snow unmelted. 7 p.m. to 7 p.m. *‡‡ | Hail, sleet, and snow on ground at 7 p.m. *‡‡ | Amount of precipitation from melted snow (mid. to mid.) | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | | | | | | | | | | | | | | | | In. | | | | In. | In. | In. | In. | |
| 1 | 88 | 67 | 21 | 4 | 78 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 1 |
| 2 | 83 | 71 | 12 | 1 | 77 | | | | R | 3:30a | 6:38a | | | | | | | | | | .23 | | | | 0 | 0 | 0 | 0 | 2 |
| 3 | 82 | 70 | 12 | 1 | 76 | | | | R | 4:41a | 7:12a | R | 2:44p | 3:45p | R | 4:20p | 8:43p | | | | 1.00 | | | | 0 | 0 | 0 | 0 | 3 |
| 4 | 86 | 69 | 17 | 2 | 78 | | | | R | 6:30a | 6:36a | R | 9:40p | 11:36p | | | | | | | 1.02 | | | | 0 | 0 | 0 | 0 | 4 |
| 5 | 79 | 66 | 13 | 6 | 72 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 5 |
| 6 | 83 | 68 | 15 | 4 | 76 | | | | R | 8:28a | 8:50a | | | | | | | | | | .24 | | | | 0 | 0 | 0 | 0 | 6 |
| 7 | 89 | 71 | 18 | 4 | 80 | | | | R | 2:52p | 3:11p | R | 8:02p | 9:10p | R | DNP | Cont'd | | | | .03 | | | | 0 | 0 | 0 | 0 | 7 |
| 8 | 75 | 65 | 10 | 10 | 70 | | | | R | Cont'd | DNA | | | | | | | | | | .01 | | | | 0 | 0 | 0 | 0 | 8 |
| 9 | 82 | 59 | 23 | 0 | 70 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 9 |
| 10 | 85 | 62 | 23 | 4 | 74 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 10 |
| 11 | 87 | 69 | 18 | 4 | 78 | | | | R | 4:00a | 7:38a | R | 4:19p | 4:32p | R | 11:18p | Cont'd | | | | .09 | | | | 0 | 0 | 0 | 0 | 11 |
| 12 | 82 | 66 | 16 | 4 | 74 | | | | R | Cont'd | 1:07a | R | 3:30a | 4:29a | | | | | | | .59 | | | | 0 | 0 | 0 | 0 | 12 |
| 13 | 75 | 60 | 15 | 6 | 68 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 13 |
| 14 | 86 | 60 | 26 | 5 | 73 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 14 |
| 15 | 78 | 61 | 17 | 3 | 70 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 15 |
| 16 | 69 | 60 | 9 | 6 | 64 | | | | R | 12:45p | 12:50p | | | | | | | | | | T | | | | 0 | 0 | 0 | 0 | 16 |
| 17 | 78 | 60 | 18 | 6 | 69 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 17 |
| 18 | 82 | 58 | 24 | 1 | 70 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 18 |
| 19 | 81 | 59 | 22 | 0 | 70 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 19 |
| 20 | 81 | 55 | 26 | 2 | 68 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 20 |
| 21 | 81 | 52 | 29 | 2 | 66 | | | | R | 11:05a | 12:08p | R | 1:45p | 8:08p | R | 3:45p | 4:35p | | | | .11 | | | | 0 | 0 | 0 | 0 | 21 |
| 22 | 65 | 46 | 19 | 10 | 56 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 22 |
| 23 | 69 | 46 | 23 | 2 | 58 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 23 |
| 24 | 73 | 54 | 19 | 6 | 64 | | | | R | 6:00a | 5:30a | R | 7:40a | 7:48a | | | | | | | T | | | | 0 | 0 | 0 | 0 | 24 |
| 25 | 71 | 49 | 22 | 4 | 60 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 25 |
| 26 | 73 | 50 | 23 | 2 | 62 | | | | R | 12:10p | 12:50p | R | 1:35p | 1:50p | | | | | | | T | | | | 0 | 0 | 0 | 0 | 26 |
| 27 | 73 | 61 | 12 | 5 | 67 | | | | R<br>R | 12:15a<br>4:45p | 5:59a<br>5:25p | R<br>R | 9:58a<br>7:45p | 10:00a<br>9:14p | R | 10:54a | 12:05p | R | 12:50p | 1:20p | .87 | | | | 0 | 0 | 0 | 0 | 27 |
| 28 | 75 | 62 | 13 | 1 | 68 | | | | R | Cont'd | 4:30a | | | | | | | | | | .08 | | | | 0 | 0 | 0 | 0 | 28 |
| 29 | 80 | 57 | 23 | 0 | 68 | | | | R | 2:35p | 2:40p | | | | | | | | | | T | | | | 0 | 0 | 0 | 0 | 29 |
| 30 | 84 | 60 | 24 | 4 | 72 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 30 |
| 31 | 86 | 63 | 23 | 2 | 74 | | | | R | 2:12p | 2:30p | R | 6:27p | 6:45p | | | | | | | .08 | | | | 0 | 0 | 0 | 0 | 31 |
| S | 2461 | 1876 | 585 | 110 | 2170 | | Total excess or deficiency since January 1, | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | 4.35 | | Total excess or deficiency since January 1, | | 0 | 0 | (a) | (a) | (a) |
| M | 79.4 | 60.5 | 18.9 | 3.5 | 70.0 | (a) | | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | | | (a) | (a) | (a) | (a) | (a) |

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, S$^{d}$—dry snow, S$^{m}$—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.

# SUMMARY FOR THE MONTH OF August, 1923.

The 8 a. m. and 8 p. m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

## PRESSURE.

(Correction to reduce to a 24-hour mean .004.)

### STATION.

| Mean. 8 a. m. | Mean. 8 p. m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 29.112 | 29.073 | 29.092 | 29.260 | 30 | 28.850 | 21 | 0.410 |
| Corrected mean | | 29.088 | | | | | |

### REDUCED.

| Mean. 8 a. m. | Mean. 8 p. m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 30.025 | 29.985 | 30.005 | 30.18 | 30 | 29.74 | 21 | 0.44 |
| Corrected mean | | 30.001 | | | | | |

## TEMPERATURE.

### MEAN.

| Dry. 8 a. m. | Dry. 8 p. m. | Dry. (8+8)÷2 (g) | Wet. 8 a. m. | Wet. 8 p. m. | Wet. Monthly. (g) | Max. | Min. | Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 65.1 | 73.5 | 69.3 | 60.7 | 64.8 | 62.8 | 79.4 | 60.5 | 70.0 |

| Highest. (i) | Date. (i) | Lowest. (i) | Date. (i) | Absolute range. | Greatest daily range. (i) | Date. (i) | Least daily range. (i) | Date. (i) |
|---|---|---|---|---|---|---|---|---|
| 89 | 7 | 46 | 22 | 43 | 29 | 21 | 9 | 16 |

| Dew-point. 8 a. m. | Dew-point. 8 p. m. | Dew-point. Monthly. (g) | Relative Humidity. 8 a. m. | Relative Humidity. 8 p. m. | Relative Humidity. Monthly. (g) | Vapor Pressure. 8 a. m. | Vapor Pressure. 8 p. m. | Vapor Pressure. Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 57.8 | 59.5 | 58.6 | 77.5 | 63.2 | 70.4 | .496 | .532 | .514 |

NUMBER OF DAYS WITH—(j)

| Maximum. 32° or below. | Maximum. 90° or above. | Minimum. 32° or below. | Minimum. Zero or below. |
|---|---|---|---|
| 0 | 0 | 0 | 0 |

CLOUDS.

Most frequent clouds Cumulus

Most frequent direction upper clouds NW

Most frequent direction lower clouds NW

## WIND.

| Total movement (mid. to mid.). | Average hourly velocity. | Prevailing direction. (p) | Maximum velocity. (r) | Direction. (r) | Date. (r) |
|---|---|---|---|---|---|
| 4848 | 6.5 | SW | 29 | SW | 21 |

| Number of Times Wind Observed from the— N. | NE. | E. | SE. | S. | SW. | W. | NW. | Calm. |
|---|---|---|---|---|---|---|---|---|
| 8 | 6 | 10 | 3 | 6 | 14 | 8 | 7 | 0 |

## WEATHER.

| Mean Cloudiness. 8 a. m. | 8 p. m. | Monthly. (t) | Sunshine. Percentage of possible. | Number of Days. Clear. | Partly cloudy. | Cloudy. | Number of Days with Precipitation (Mid. to Mid.). Clear. (u) | Partly cloudy. (u) | Cloudy. (u) |
|---|---|---|---|---|---|---|---|---|---|
| 4.8 | 4.7 | 5.4 | 65 | 9 | 12 | 10 | 0 | 4 | 8 |

(6)

## MISCELLANEOUS PHENOMENA.

DATES OF—(MIDNIGHT TO MIDNIGHT).

| Frosts. Light. | Heavy. | Killing. | Thunderstorms. (v) | Winds. (40 miles or over.) | Solar Halos. | Lunar Halos. | Fog. Light. | Dense. | Haze. Light. | Dense. | Smoke. Light. | Dense. | Hail. | Aurora. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| None | None | None | 2, 3, 4, 11, 12, 24, 31, | None | 10 | 0 | 28, 29 | 29 | 6 | 0 | 0 | 0 | 0 | 0 |

## PRECIPITATION (in inches and hundredths). (m)

| Total Amount. | Greatest Amount in 24 Consecutive Hours. Amt. | Date. (k) | Excessive. 2.50 Inches in 24 Hours. (l) * Amt. | Duration. h. | m. | Date. (k) | 1 Inch per Hour. (l) Amt. | Duration. h. | m. | Date. (k) |
|---|---|---|---|---|---|---|---|---|---|---|
| 4.35 | 1.02 | 4 | 0 | | | | 1.00 | 0 | 23 | 4 |

| Number of Days with—(Mid. to Mid.). Trace. | .01 or more. | .04 or more. | .25 or more. | 1.00 or more. | Total. | Snow. Trace or more. | Snow. .01 or more melted. | Snow. Total Depth. (o) | Snow. Average Depth at End of Month. |
|---|---|---|---|---|---|---|---|---|---|
| 4 | 12 | 10 | 4 | 2 | 16 | 0 | 0 | 0 | 0 |

(w) Maximum precipitation in 5 minutes 0.29, date 4th; 10 minutes 0.55, date 4th; 15 minutes 0.77, date 4th;
30 minutes 1.00, date 4th; 1 hour ~~1.00~~ 1.01, date 4th; 2 hours ~~1.00~~ 1.01, date 4th.

## EXCESSIVE.

| Date. | Total Duration. From— | To— | Total amount of precipitation. | Excessive Rate. Began— | Ended— | Amt. before excessive began. | Accumulated Depths During Excessive Rate for Consecutive Periods of Time Indicated Below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3d | 4:41 a | 7:12 a | 0.89 | 4:46 a | 5:00 a | .01 | .13 | .32 | .42 | | | | | | | | | | | |
| 4th | 9:40 p | 11:36 p | 1.01 | 9:59 p | 10:22 p | T | .23 | .52 | .77 | .97 | 1.00 | | | | | | | | | |
| 12th | 3:30 a | 4:29 a | ~~0.60~~ 0.52 | 3:33 a | 3:50 a | T | .21 | .38 | .46 | .50 | | | | | | | | | | |

* The duration is the time precipitation was actually recorded.

8—134

Prepared by C. C. S.

C. C. Schick, Observer, Weather Bureau.

(Temporarily in charge)

*ORIGINAL MONTHLY RECORD OF OBSERVATIONS at* Fort Wayne, Ind., *for the Month of* April, 1923.

*Number of Station barometer,* 656; *sum of corrections,* −.009 *inch.*

SPECIAL OBSERVATIONS.

| Date. | Time. 75th mer. | Time. Local (standard). | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) | Barometer. Reduced to sea-level. | Thermometers. Dry. | Thermometers. Wet. | Dew-point. | Depression of the dew-point. | Relative humidity. | Maximum thermometer. | Wind. Direction. | Wind. Velocity. † | Wind. Max. since last observation. | Wind. Direction. | Precipitation. †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Special Phenomena. | Initials of Observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Extremes of Pressure. Highest | | | | | | | | | | | | | | | | | | | |
| 30 | 11 00 am | 10 00 am | | | | 29.260 | 30.18 | 79.0 | | | | | | | | | | | | | | | | | 30 |
| | | | | | | Lowest. | | | | | | | | | | | | | | | | | | | |
| 21st | 2 00 pm | 1 00 pm. | | | | 28.850 | 29.74 | 73.0 | | | | | | | | | | | | | | | | | 21st |

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation. 8—15½

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of AUG - - 1923, 192

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

| DATE. | N. | | NE. | | E. | | SE. | | S. | | SW. | | W. | | NW. | | CALM. | | TOTAL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. |
| 1 | | | | | | | 24 | 8 | 60 | 12 | 24 | 4 | | | | | | | 108 | 24 |
| 2 | | | | | | | | | 21 | 4 | 30 | 5 | 6 | 1 | 59 | 14 | | | 116 | 24 |
| 3 | 6 | 1 | | | 57 | 10 | 18 | 5 | 37 | 7 | | | | | 2 | 1 | | | 120 | 24 |
| 4 | | | 6 | 1 | 7 | 2 | 24 | 8 | | | 9 | 2 | 42 | 8 | 13 | 3 | | | 101 | 24 |
| 5 | | | 100 | 13 | 59 | 10 | | | | | | | 4 | 1 | | | | | 163 | 24 |
| 6 | | | | | 32 | 7 | 4 | 1 | 13 | 2 | 118 | 12 | 5 | 1 | 8 | 1 | | | 180 | 24 |
| 7 | 10 | 3 | | | 10 | 2 | | | | | 84 | 15 | 19 | 3 | 7 | 1 | | | 130 | 24 |
| 8 | 9 | 2 | 119 | 14 | 61 | 8 | | | | | | | | | | | | | 189 | 24 |
| 9 | | | 37 | 5 | 115 | 19 | | | | | | | | | | | | | 152 | 24 |
| 10 | 25 | 7 | 44 | 10 | | | | | | | 19 | 7 | | | | | | | 88 | 24 |
| 11 | | | | | | | | | 49 | 6 | 101 | 16 | 6 | 2 | | | | | 156 | 24 |
| 12 | | | | | | | | | | | 11 | 2 | 74 | 8 | 143 | 14 | | | 228 | 24 |
| 13 | 69 | 11 | | | | | | | | | 4 | 1 | 1 | 1 | 51 | 10 | 0 | 1 | 125 | 24 |
| 14 | | | | | | | | | 44 | 5 | 88 | 7 | 56 | 6 | 47 | 6 | | | 235 | 24 |
| 15 | 77 | 9 | 43 | 8 | 5 | 1 | | | | | | | | | 46 | 6 | | | 171 | 24 |
| 16 | | | 23 | 7 | 47 | 7 | 45 | 9 | 3 | 1 | | | | | | | | | 118 | 24 |
| 17 | 9 | 3 | 71 | 13 | 49 | 8 | | | | | | | | | | | | | 129 | 24 |
| 18 | 13 | 6 | | | | | | | | | 88 | 10 | 34 | 4 | 16 | 4 | | | 151 | 24 |
| 19 | 9 | 1 | | | | | | | | | 59 | 7 | 8 | 1 | 144 | 15 | | | 220 | 24 |
| 20 | 9 | 4 | | | 2 | 1 | | | 93 | 13 | 25 | 3 | | | 13 | 3 | | | 142 | 24 |
| 21 | 89 | 9 | | | | | | | 16 | 2 | 138 | 10 | 41 | 3 | | | | | 284 | 24 |
| 22 | 152 | 22 | | | | | | | | | | | | | 13 | 2 | | | 165 | 24 |
| 23 | 16 | 6 | | | | | | | | | 72 | 10 | 14 | 2 | 26 | 6 | | | 128 | 24 |
| 24 | 35 | 6 | | | | | | | | | 71 | 7 | 33 | 3 | 128 | 8 | | | 267 | 24 |
| 25 | 61 | 14 | | | | | | | | | | | 19 | 6 | 14 | 3 | 0 | 1 | 94 | 24 |
| 26 | 10 | 5 | 4 | 1 | 61 | 13 | 21 | 4 | 6 | 1 | | | | | | | | | 102 | 24 |
| 27 | | | | | 4 | 1 | 3 | 1 | 130 | 13 | 79 | 7 | 7 | 1 | 4 | 1 | | | 227 | 24 |
| 28 | | | | | | | | | 37 | 4 | 91 | 8 | 62 | 5 | 45 | 7 | | | 235 | 24 |
| 29 | | | | | | | 2 | 1 | 27 | 5 | 125 | 18 | | | | | | | 154 | 24 |
| 30 | | | | | | | 3 | 2 | 14 | 4 | 37 | 9 | 17 | 5 | 6 | 3 | 0 | 1 | 77 | 24 |
| 31 | | | | | | | | | 50 | 10 | 37 | 7 | 6 | 5 | | | 0 | 2 | 93 | 24 |
| SUM. | 599 | 109 | 447 | 72 | 509 | 89 | 144 | 39 | 600 | 89 | 1310 | 167 | 454 | 66 | 785 | 108 | 0 | 5 | 4848 | 744 |
| PERCENTAGE | 12 | 15 | 9 | 10 | 11 | 12 | 3 | 5 | 13 | 12 | 27 | 22 | 9 | 9 | 16 | 14 | 0 | 1 | a | a |
| AVG. HOURLY VELOCITY | 5.5 | a | 6.2 | a | 5.7 | a | 3.7 | a | 6.7 | a | 7.8 | a | 6.9 | a | 7.3 | a | 0 | a | 6.5 | a |

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Form No. 1001—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE,

## WEATHER BUREAU.

# ORIGINAL MONTHLY RECORD

## OF

# OBSERVATIONS

## AT

Fort Wayne, Ind

## *For the Month of* September, 1913.

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, ____; No. of wet thermometer in use, ____; No. of maximum thermometer in use, ____; No. of minimum thermometer in use, ____

†Elevation above ground of the dry thermometer, ____ feet; rain gage, ____ feet; anemometer, ____ feet.

If the office has been moved during the month, give date ____; amount of change in height of barometer, ____ feet (higher or lower).

No. of extra barometer, 675; sum of corrections, -.017; date and observation upon which use of station barometer commenced, May 20, 1911 7:00 a. m., station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Corner of Berry & Calhoun streets, room 1911-912 Shoaff Building; first observation taken in present office 7:00 a. m. May 20, 1911

*Cancel words that are not appropriate.

†To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months.

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*ORIGINAL MONTHLY RECORD OF OBSERVATIONS at* Fort Wayne, Ind. *, for the Month of* September *, 192 3.*

*Number of Station barometer,* 6576 *; sum of corrections,* +.009 *inch.*

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 A. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 A. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-reg. ther's. Max. (b) | Self-reg. ther's. Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 a. m. (b) †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | | Initials of observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | |
| 1 | 78.0 | 29.308 | .140 | 29.168 | 30.09 | 69.0 | 65.8 | 64 | 85 | .585 | 70.0 | 66.3 | S | 2 | | | 0 | 3 1 | Ci St Cu | W S | Pt. Cloudy | | | 1 |
| 2 | 79.0 | 29.250 | .142 | 29.108 | 30.02 | 71.2 | 65.7 | 63 | 73 | .576 | 79.0 | 69.5 | S | 8 | | | 0 | 9 | 1 Cu | SW | Cloudy | | | 2 |
| 3 | 78.0 | 29.282 | .140 | 29.142 | 30.05 | 69.0 | 67.0 | 66 | 90 | .638 | 73.0 | 67.3 | S | 6 | | | .43 | 10 | St | S | Cloudy | | | 3 |
| 4 | 78.0 | 29.375 | .140 | 29.235 | 30.16 | 66.5 | 64.8 | 64 | 91 | .595 | 71.0 | 65.0 | NE | 4 | | | 0 | 3 | Ci St | SW | Clear | | | 4 |
| 5 | 78.0 | 29.317 | .140 | 29.177 | 30.10 | 68.2 | 67.2 | 67 | 95 | .661 | 73.8 | 66.1 | E | 2 | | | 0 | 10 3 | St Lt. Fog | E E | Cloudy | | | 5 |
| 6 | 78.0 | 29.223 | .139 | 29.084 | 29.99 | 68.6 | 67.6 | 68 | 95 | .684 | 76.0 | 68.0 | E | 4 | | | .04 | 10 | ASt | SE | Cloudy | | | 6 |
| 7 | 76.0 | 29.072 | .133 | 28.939 | 29.85 | 69.2 | 65.5 | 65 | 91 | .616 | 70.2 | 65.1 | SW | 8 | | | .01 | 10 | St | SW | Cloudy | | | 7 |
| 8 | 73.0 | 29.133 | .126 | 29.007 | 29.93 | 59.7 | 55.2 | 52 | 76 | .387 | 69.0 | 46.6 | S W | 11 | | | T | 4 | Ci St | W | Pt. Cloudy | | | 8 |
| 9 | 72.0 | 29.209 | .124 | 29.085 | 30.00 | 55.2 | 55.0 | 53 | 99 | .432 | 69.6 | 52.0 | NW | 6 | | | .05 | 10 | St | NW | Cloudy | | | 9 |
| 10 | 70.0 | 29.367 | .119 | 29.248 | 30.18 | 50.8 | 48.8 | 47 | 87 | .322 | 60.0 | 44.7 | E | 8 | | | 0 | Few | Cu | S | Clear | | | 10 |
| 11 | 70.0 | 29.307 | .119 | 29.188 | 30.11 | 56.0 | 52.0 | 49 | 77 | .347 | 64.6 | 53.3 | SW | 9 | | | 0 | 3 | Cu | SW | Clear | | | 11 |
| 12 | 70.5 | 29.244 | .120 | 29.124 | 30.04 | 57.2 | 54.0 | 52 | 82 | .387 | 68.2 | 55.1 | NW | 5 | | | .16 | Few | Cu | o? | Clear | | | 12 |
| 13 | 68.0 | 29.363 | .113 | 29.250 | 30.18 | 49.8 | 45.0 | 40 | 69 | .247 | 61.2 | 46.7 | NW | 3 | | | 0 | 2 | ACu | W | Clear | | | 13 |
| 14 | 65.5 | 29.512 | .107 | 29.405 | 30.35 | 46.0 | 41.0 | 36 | 71 | .211 | 49.7 | 41.0 | NE | 2 | | | 0 | 8 | Cu | SW | Cloudy | | | 14 |
| 15 | 68.0 | 29.552 | .114 | 29.438 | 30.38 | 44.5 | 40.0 | 34 | 68 | .195 | 52.0 | 40.0 | S | 2 | | | 0 | 3 | Cu | S | Clear | | | 15 |
| 16 | 67.5 | 29.587 | .113 | 29.474 | 30.41 | 43.3 | 40.3 | 37 | 78 | .219 | 53.0 | 40.8 | E | 6 | | | 0 | 0 | 0 | 0 | Clear | | | 16 |
| 17 | 68.5 | 29.604 | .115 | 29.489 | 30.43 | 46.0 | 43.4 | 41 | 81 | .256 | 58.0 | 43.2 | E | 6 | | | 0 | 2 | ASt | NW | Clear | | | 17 |
| 18 | 70.0 | 29.330 | .119 | 29.211 | 30.13 | 64.4 | 63.4 | 62 | 95 | .535 | 71.8 | 64.4 | S | 12 | | | .05 | 10 | Nb | SW | Lt. Rain | | | 18 |
| 19 | 70.5 | 29.280 | .120 | 29.160 | 30.08 | 60.0 | 59.0 | 58 | 94 | .482 | 67.0 | 59.0 | NE | 6 | | | .03 | 10 | St | NE | Cloudy | | | 19 |
| 20 | 69.5 | 28.954 | .116 | 28.838 | 29.75 | 60.8 | 60.3 | 60 | 97 | .517 | 63.2 | 59.0 | E | 6 | | | .86 | 10 8 | St Cu Lt. Fog | SW E | Cloudy | | | 20 |
| 21 | 71.5 | 29.076 | .121 | 28.955 | 29.87 | 60.6 | 59.1 | 59 | 92 | .499 | 68.6 | 60.0 | SW | 8 | | | T | 10 | St Cu | SW | Cloudy | | | 21 |
| 22 | 69.5 | 29.372 | .117 | 29.255 | 30.19 | 56.5 | 55.5 | 54 | 94 | .417 | 57.7 | 56.5 | NE | 6 | | | 0 | 10 | St | NE | Cloudy | | | 22 |
| 23 | 69.0 | 29.420 | .117 | 29.303 | 30.23 | 57.0 | 57.0 | 57 | 100 | .465 | 65.6 | 56.6 | NE | 2 | | | 0 | 10 | Dense Fog | NE | Foggy | | | 23 |
| 24 | 70.0 | 29.472 | .119 | 29.353 | 30.28 | 56.7 | 55.7 | 55 | 94 | .432 | 68.0 | 55.9 | NE | 5 | | | 0 | 0 | 0 | 0 | Clear | | | 24 |
| 25 | 71.5 | 29.364 | .122 | 29.242 | 30.16 | 61.0 | 61.0 | 61 | 100 | .536 | 69.0 | 60.6 | E | 6 | | | 0 | 10 | Dense Fog | E | Foggy | | | 25 |
| 26 | 72.5 | 29.270 | .125 | 29.145 | 30.05 | 64.2 | 60.6 | 58 | 81 | .482 | 74.7 | 60.0 | S | 1 | | | 0 | 3 | Cu | S | Clear | | | 26 |
| 27 | 75.0 | 29.308 | .132 | 29.176 | 30.10 | 65.3 | 62.1 | 60 | 84 | .517 | 74.1 | 63.4 | S | 3 | | | 0 | 2 | Ci Cu | NW | Clear | | | 27 |
| 28 | 77.0 | 29.352 | .137 | 29.215 | 30.14 | 68.3 | 64.8 | 63 | 83 | .525 | 76.2 | 66.1 | W | 5 | | | 0 | 8 | ASt | NW | Cloudy | | | 28 |
| 29 | 78.0 | 29.336 | .140 | 29.196 | 30.12 | 64.0 | 62.5 | 62 | 92 | .555 | 73.2 | 63.2 | N | 4 | | | 0 | 0 | 0 | 0 | Clear | | | 29 |
| 30 | 76.0 | 29.340 | .134 | 29.206 | 30.14 | 57.4 | 44.9 | 38 | 60 | .228 | 63.0 | 48.0 | NE | 5 | | | 0 | 6 | Ci St | W | Pt. Cloudy | | | 30 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | 31 |
| Sums | | (a) | (a) | 875.816 | 903.51 | 1777.4 | 1704.2 | 1647 | 2576 | 136.27 | (a) | (a) | (a) | 161 | (a) | (a) | 1.63 | 157 | (a) | (a) | (a) | | (a) | (a) |
| Means | | (a) | (a) | 29.194 | 30.117 | 59.2 | 56.8 | 54.9 | 85.9 | 4.54 | (a) | (a) | (c) NE E S | 6.4 | (a) | (a) | (a) | 5.2 | U Ci St. Cu. L | U W L SW | (a) | | (a) | (a) |

Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

U, upper clouds. L, lower clouds.

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*ORIGINAL MONTHLY RECORD OF OBSERVATIONS at* Fort Wayne, Ind., *for the Month of* September, *192 3*

*Number of Station barometer,* 646; *sum of corrections,* .200 *inch.*

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 P. M. 70th MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 2:12 P. M. LOCAL MEAN TIME.

| Date. | Barometer: Attached thermometer. | Barometer: Observed reading. | Barometer: Total correction. | Barometer: Station. (Observed reading plus total cor.) (b) | Barometer: Reduced to sea-level. (b) | Thermometers: Dry. (b) | Thermometers: Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-reg. ther's: Max. (b) | Self-reg. ther's: Min. (b) | Wind: Dir. | Wind: Velocity. (b) † | Wind: Max. during preceding 12 hours. | Wind: Dir. | Precipitation. Amt. at 8 p.m. (b) †† | Clouds: Amt. | Clouds: Kind. | Clouds: Dir. from. | State of Weather. | Fog, Mid. to Mid. (local standard time). Light. (f) | Fog, Mid. to Mid. (local standard time). Dense. (f) | Initials of observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | | |
| 1 | 80.0 | 29.246 | .145 | 29.101 | 30.01 | 99.0 | 69.5 | 65 | 62 | .616 | 84.9 | 69.0 | S | 4 | | | 0 | 9 | StCu | S | Cloudy | | | CCS | 1 |
| 2 | 79.0 | 29.260 | .142 | 29.118 | 30.03 | 93.0 | 69.0 | 67 | 82 | .661 | 80.6 | 71.2 | SW | 4 | | | T | 10 | StCu | SW | Cloudy | | | CCS | 2 |
| 3 | 80.0 | 29.295 | .145 | 29.150 | 30.06 | 97.0 | 70.6 | 68 | 73 | .684 | 81.0 | 69.0 | 0 | 0 | | | 0 | 3 | Cu | SW | Clear | | | CCS | 3 |
| 4 | 78.0 | 29.307 | .140 | 29.167 | 30.09 | 93.8 | 70.8 | 70 | 86 | .732 | 77.3 | 66.5 | E | 5 | | | T | 9 | StCu | W | Cloudy | | | CCS | 4 |
| 5 | 79.0 | 29.263 | .142 | 29.121 | 30.03 | 96.0 | 71.0 | 69 | 78 | .707 | 81.1 | 68.2 | SE | 3 | | | 0 | 1<br>5 | ACu<br>Cu | NW<br>SE | Pt. Cloudy | B-DN A<br>E 9:25a | | CCS | 5 |
| 6 | 78.0 | 29.067 | .138 | 28.929 | 29.84 | 90.2 | 68.2 | 67 | 90 | .661 | 80.2 | 68.6 | S | 11 | | | .16 | 8 | StCu | SW | Cloudy | | | CCS | 6 |
| 7 | 76.0 | 29.090 | .133 | 28.957 | 29.87 | 69.0 | 63.0 | 60 | 72 | .517 | 76.1 | 66.2 | SW | 12 | | | .34 | 8 | StCu | W | Cloudy | | | CCS | 7 |
| 8 | 74.0 | 29.067 | .128 | 28.939 | 29.85 | 69.6 | 60.0 | 53 | 57 | .402 | 75.0 | 59.7 | W | 2 | | | T | 10 | Nb | W | H. Rain | | | CCS | 8 |
| 9 | 73.0 | 29.286 | .126 | 29.160 | 30.08 | 60.0 | 53.3 | 48 | 64 | .3346 | 66.0 | 54.2 | N | 5 | | | 0 | 1 | Cu | N | Clear | | | CCS | 9 |
| 10 | 71.0 | 29.278 | .121 | 29.157 | 30.08 | 64.6 | 57.8 | 53 | 67 | .402 | 70.0 | 50.8 | S | 2 | | | 0 | 0 | 0 | 0 | Clear | | | CCS | 10 |
| 11 | 71.0 | 29.186 | .121 | 29.065 | 29.98 | 68.2 | 61.6 | 58 | 69 | .482 | 76.1 | 56.0 | SW | 7 | | | .01 | 10 | StCu | W | Cloudy | | | CCS | 11 |
| 12 | 71.0 | 29.234 | .121 | 29.113 | 30.03 | 61.2 | 55.3 | 51 | 69 | .373 | 69.4 | 57.2 | NW | 4 | | | 0 | Few | Cu | NW | Clear | | | CCS | 12 |
| 13 | 68.0 | 29.425 | .114 | 29.311 | 30.25 | 47.7 | 42.2 | 36 | 63 | .211 | 56.8 | 47.7 | N | 7 | | | 0 | 1 | Cu | NW | Clear | | | CCS | 13 |
| 14 | 70.0 | 29.475 | .119 | 29.356 | 30.30 | 52.0 | 46.0 | 40 | 63 | .247 | 57.3 | 45.0 | E | 4 | | | 0 | 4 | ACu | NW | | | | CWB 40 | 14 |
| 15 | 69.5 | 29.523 | .118 | 29.405 | 30.34 | 53.0 | 46.0 | 39 | 58 | .237 | 61.3 | 44.5 | E | 5 | | | 0 | 0 | 0 | 0 | Clear | | | CCS | 15 |
| 16 | 69.0 | 29.550 | .117 | 29.433 | 30.37 | 58.0 | 50.0 | 43 | 57 | .277 | 65.6 | 43.3 | E | 8 | | | 0 | 4 | C-St | NW | Pt. Cloudy | | | CWB 40 | 16 |
| 17 | 69.0 | 29.457 | .117 | 29.340 | 30.27 | 71.8 | 60.3 | 53 | 51 | .402 | 76.9 | 46.0 | SE | 4 | | | 0 | 10 | ASt | NW | Cloudy | | | CCS | 17 |
| 18 | 71.0 | 29.228 | .121 | 29.107 | 30.03 | 66.8 | 66.3 | 66 | 97 | .638 | 68.0 | 63.9 | SW | 6 | | | .14 | 10 | Nb | SW | Sprinkling | | | CCS | 18 |
| 19 | 70.0 | 29.163 | .118 | 29.045 | 29.96 | 63.2 | 60.7 | 59 | 87 | .499 | 66.0 | 59.2 | E | 5 | | | T | 10 | St | E | Cloudy | | | CCS | 19 |
| 20 | 72.0 | 28.931 | .123 | 28.808 | 29.71 | 68.6 | 66.1 | 65 | 88 | .616 | 80.0 | 60.8 | SW | 11 | | | .12 | 10 | Nb | SW | Lt. Rain | B-DN A<br>E 9:06a | | CCS | 20 |
| 21 | 70.5 | 29.275 | .120 | 29.155 | 30.08 | 57.7 | 55.2 | 54 | 86 | .417 | 61.8 | 56.6 | N | 7 | | | .01 | 10 | StCu | N | Cloudy | | | CCS | 21 |
| 22 | 70.0 | 29.350 | .119 | 29.231 | 30.15 | 65.6 | 62.3 | 60 | 84 | .517 | 68.7 | 56.5 | NE | 4 | | | 0 | 10 | StCu | E | Cloudy | | | CCS | 22 |
| 23 | 70.5 | 29.410 | .121 | 29.289 | 30.22 | 68.0 | 64.0 | 62 | 81 | .555 | 73.0 | 57.0 | E | 2 | | | 0 | 0 | 0 | 0 | Clear | B-8:30a<br>E-9:45a | B-DN A<br>E-8:30a | CWB | 23 |
| 24 | 72.0 | 29.377 | .125 | 29.252 | 30.18 | 69.0 | 63.0 | 60 | 72 | .517 | 75.6 | 56.7 | E | 5 | | | 0 | 0 | 0 | 0 | Clear | | | CCS | 24 |
| 25 | 73.0 | 29.257 | .126 | 29.131 | 30.04 | 74.7 | 63.7 | 57 | 55 | .465 | 81.0 | 61.0 | SE | 4 | | | 0 | 5 | AST | NW | Pt. Cloudy | B-9:15a<br>E-9:10a | B-DN A<br>E-8:15a | CCS | 25 |
| 26 | 75.5 | 29.236 | .133 | 29.103 | 30.01 | 74.1 | 65.0 | 60 | 62 | .517 | 80.8 | 64.2 | S | 4 | | | 0 | 6 | AST | W | Pt. Cloudy | | | CCS | 26 |
| 27 | 78.0 | 29.283 | .140 | 29.143 | 30.05 | 76.2 | 67.7 | 63 | 65 | .595 | 86.1 | 65.3 | S | 6 | | | T | 8 | StCu | SW | Cloudy | | | CCS | 27 |
| 28 | 79.0 | 29.292 | .142 | 29.150 | 30.06 | 73.2 | 67.2 | 64 | 73 | .595 | 81.0 | 67.1 | NW | 5 | | | 0 | 8 | Cu | NW | Cloudy | | | CCS | 28 |
| 29 | 77.0 | 29.304 | .137 | 29.167 | 30.09 | 63.0 | 58.6 | 56 | 77 | .448 | 78.0 | 63.0 | NE | 8 | | | 0 | 0 | 0 | 0 | Clear | | | C.O.S. | 29 |
| 30 | 76.5 | 29.314 | .136 | 29.178 | 30.11 | 62.0 | 52.0 | 43 | 50 | .277 | 70.7 | 51.4 | NE | 7 | | | 0 | 3<br>7 | U-St.<br>St. | W<br>NE | Pt. Cloudy | | | C.W.B. | 30 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 31 |
| Sums | (a) | (a) | (a) | 874.581 | 902.17 | 2006.2 | 1826.4 | 1709 | 2138 | 14.581 | (a) | (a) | (a) | 161 | (a) | (a) | 0.78 | 178 | (a) | (a) | (a) | 4 | 2 | (a) | (a) |
| Means | (a) | (a) | (a) | 29.153 | 30.072 | 66.9 | 60.9 | 57.0 | 71.3 | .486 | (a) | (a) | (c) E | 5.4 | (a) | (a) | (a) | 5.9 | U-St-Cu<br>L-St-Cu | NW<br>L SW | (a) | (a) | (a) | (a) | (a) |

Observations are begun about 7.40 o'clock, 75th meridian time.

†By dial when self-register is out of order. ††T indicates trace of precipitation. U, upper clouds. L, lower clouds.

# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of September, 192 5

| Date. | TEMPERATURE. Maximum. (b) | Minimum. (b) | Range. (b) | Change. (b) | Mean (max. and min.). (b) | Normal. | Departure. | Total excess or deficiency since 1st of month. | PRECIPITATION. Character. ‡ | Beginning. | Ending. | Character. ‡ | Beginning. | Ending. | Character. ‡ | Beginning. | Ending. | Character. ‡ | Beginning. | Ending. | Total (mid. to mid.). (b) †† | Normal. | Departure. | Total excess or deficiency since 1st of month. | Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡ | Snow unmelted. 7 p.m. to 7 p.m. *‡‡ | Hail, sleet, and snow on ground at 7 p.m. *‡‡ | Amount of precipitation from melted snow (mid. to mid.). | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | | | | | | | | | | | | | | | | In. | | | | In. | In. | In. | In. | |
| Saturday 1 | 85 | 66 | 19 | 2 | 76 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 1 |
| 2 | 81 | 70 | 11 | 0 | 76 | | | | R | 6:35p | 6:38p | R | 10:00p | Cont'd | | | | | | | .04 | | | | 0 | 0 | 0 | 0 | 2 |
| 3 | 81 | 67 | 14 | 2 | 74 | | | | R | Cont'd | DNA | | | | | | | | | | .39 | | | | 0 | 0 | 0 | 0 | 3 |
| 4 | 77 | 65 | 12 | 3 | 71 | | | | R | 3:00p | 3:14p | | | | | | | | | | T | | | | 0 | 0 | 0 | 0 | 4 |
| 5 | 81 | 66 | 15 | 3 | 74 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 5 |
| 6 | 80 | 68 | 12 | 0 | 74 | | | | R | DNA | 5:43a | R | 7:13a | 8:20a | R | 12:19p | 5:49p | R | 11:10p | 11:36p | .21 | | | | 0 | 0 | 0 | 0 | 6 |
| 7 | 76 | 60 | 16 | 6 | 68 | | | | R | 7:03a | 7:17a | R | 9:18a | 11:06a | R | 7:05p | 7:43p | | | | .34 | | | | 0 | 0 | 0 | 0 | 7 |
| 8 | 75 | 56 | 19 | 2 | 66 | | | | R | 6:20p | 7:12p | R | 8:24p | 10:41p | | | | | | | .05 | | | | 0 | 0 | 0 | 0 | 8 |
| 9 | 66 | 52 | 14 | 7 | 59 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 9 |
| 10 | 70 | 48 | 22 | 0 | 59 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 10 |
| 11 | 76 | 53 | 23 | 5 | 64 | | | | R | 5:01p | 5:07p | R | 8:30p | 11:41p | | | | | | | .17 | | | | 0 | 0 | 0 | 0 | 11 |
| 12 | 69 | 53 | 16 | 3 | 61 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 12 |
| 13 | 57 | 42 | 15 | 11 | 50 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 13 |
| 14 | 57 | 41 | 16 | 1 | 49 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 14 |
| 15 | 61 | 40 | 21 | 1 | 50 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 15 |
| 16 | 66 | 41 | 25 | 4 | 54 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 16 |
| 17 | 77 | 43 | 34 | 6 | 60 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 17 |
| 18 | 68 | 63 | 5 | 6 | 66 | | | | R | DNA | 1:10p | R | 3:35p | 4:30p | R | 5:00p | DNA | | | | .22 | | | | 0 | 0 | 0 | 0 | 18 |
| 19 | 66 | 59 | 7 | 4 | 62 | | | | R | 9:45a | 10:30a | R | 8:25p | Cont'd | | | | | | | .08 | | | | 0 | 0 | 0 | 0 | 19 |
| 20 | 80 | 59 | 21 | 8 | 70 | | | | R | Cont'd | DNA | R | 3:00p | 3:45p | R | 6:37p | 6:49p | | | | .90 | | | | 0 | 0 | 0 | 0 | 20 |
| 21 | 63 | 57 | 6 | 10 | 60 | | | | R | 7:28a | 10:17a | | | | | | | | | | .01 | | | | 0 | 0 | 0 | 0 | 21 |
| 22 | 69 | 56 | 13 | 2 | 62 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 22 |
| 23 | 73 | 57 | 16 | 3 | 65 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 23 |
| 24 | 76 | 56 | 20 | 1 | 66 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 24 |
| 25 | 81 | 61 | 20 | 5 | 71 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 25 |
| 26 | 81 | 60 | 21 | 1 | 70 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 26 |
| 27 | 86 | 63 | 23 | 4 | 74 | | | | R | 6:10p | 6:25p | | | | | | | | | | T | | | | 0 | 0 | 0 | 0 | 27 |
| 28 | 81 | 66 | 15 | 0 | 74 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 28 |
| 29 | 78 | 58 | 20 | 6 | 68 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 29 |
| 30 | 71 | 48 | 23 | 8 | 60 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 30 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 31 |
| S | 2208 | 1694 | 514 | 114 | 1953 | | Total excess or deficiency since January 1, | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | 241 | | Total excess or deficiency since January 1, | | 0 | 0 | (a) | (a) | (a) |
| M | 73.6 | 56.5 | 17.1 | 3.8 | 65.1 | (a) | | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | | | (a) | (a) | (a) | (a) | (a) |

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, Sd—dry snow, Sm—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.



8—154

# SUMMARY FOR THE MONTH OF September, 192[illegible]

The 8 a. m. and 8 p. m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

## PRESSURE.

(Correction to reduce to a 24-hour mean -.005)

### STATION.

| Mean. 8 a. m. | Mean. 8 p. m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 29.194 | 29.153 | 29.174 | 29.500 | 17 | 28.750 | 20 | 0.750 |
| Corrected mean--- | | 29.169 | | | | | |

### REDUCED.

| Mean. 8 a. m. | Mean. 8 p. m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 30.117 | 30.072 | 30.094 | 30.44 | 17 | 29.65 | 20 | 0.79 |
| Corrected mean--- | | 30.089 | | | | | |

## TEMPERATURE.

### MEAN.

| Dry. 8 a. m. | Dry. 8 p. m. | Dry. (8+8)÷2 (g) | Wet. 8 a. m. | Wet. 8 p. m. | Wet. Monthly. (g) | Max. | Min. | Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 59.2 | 66.9 | 63.0 | 56.8 | 60.9 | 58.8 | 73.6 | 56.5 | 65.0 |

| Highest. (i) | Date. (i) | Lowest. (i) | Date. (i) | Absolute range. | Greatest daily range. (i) | Date. (i) | Least daily range. (i) | Date. (i) |
|---|---|---|---|---|---|---|---|---|
| 86 | 27 | 40 | 15 | 46 | 34 | 17 | 5 | 18 |

| Dew-point. 8 a. m. | Dew-point. 8 p. m. | Dew-point. Monthly. (g) | Relative Humidity. 8 a. m. | Relative Humidity. 8 p. m. | Relative Humidity. Monthly. (g) | Vapor Pressure. 8 a. m. | Vapor Pressure. 8 p. m. | Vapor Pressure. Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 54.9 | 57.0 | 56.0 | 85.9 | 71.3 | 78.6 | .454 | .486 | .470 |

| Number of days with—(j) Maximum. 32° or below. | Maximum. 90° or above. | Minimum. 32° or below. | Minimum. Zero or below. |
|---|---|---|---|
| 0 | 0 | 0 | 0 |

**CLOUDS.**

Most frequent clouds Cumulus

Most frequent direction upper clouds NW

Most frequent direction lower clouds SW

## WIND.

| Total movement (mid. to mid.). | Average hourly velocity. | Prevailing direction. (p) | Maximum velocity. (r) | Direction. (r) | Date. (r) |
|---|---|---|---|---|---|
| 4408 | ~~6.0~~ 6.1 | E | 22 | SW | 6 |

| Number of Times Wind Observed from the— N. | NE. | E. | SE. | S. | SW. | W. | NW. | Calm. |
|---|---|---|---|---|---|---|---|---|
| 4 | 10 | 14 | 3 | 12 | 9 | 2 | 5 | 1 |

## WEATHER.

| Mean Cloudiness. 8 a. m. | 8 p. m. | Monthly. (t) | Sunshine. Percentage of possible. | Number of Days. Clear. | Partly cloudy. | Cloudy. | Number of Days with Precipitation (Mid. to Mid.). Clear. (u) | Partly cloudy. (u) | Cloudy. (u) |
|---|---|---|---|---|---|---|---|---|---|
| 5.2 | 5.9 | 6.0 | 50 | 5 | 15 | 10 | 0 | 3 | 7 |

(9)

## MISCELLANEOUS PHENOMENA.

Dates of—(Midnight to Midnight).

| Frosts. Light. | Heavy. | Killing. | Thunderstorms. (v) | Winds. (40 miles or over.) | Solar Halos. | Lunar Halos. | Fog. Light. | Dense. | Haze. Light. | Dense. | Smoke. Light. | Dense. | Hail. | Aurora. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14, 15, 16 | None | None | 6, 7, 20 | 0 | 4, 25, 26 | 0 | 5, 20, 23, 25 | 23 25 | 0 | 0 | 0 | 0 | 0 | 0 |

## PRECIPITATION (in inches and hundredths). (m)

| Total amount. | Greatest Amount in 24 Consecutive Hours. Amt. | Date. (k) | Excessive. 2.50 Inches in 24 Hours. (l) * Amt. | Duration. h. m. | Date. (k) | 1 Inch per Hour. (l) . Amt. | Duration. h. m. | Date. (k) |
|---|---|---|---|---|---|---|---|---|
| 2.41 | 0.98 | 19-20 | 0 | | | 0 | | |

| Number of days with—(Mid. to Mid.). Trace. | .01 or more. | .04 or more. | .25 or more. | 1.00 or more. | Total. | Snow. Trace or more. | Snow. .01 or more melted. | Snow. Total Depth. (o) | Snow. Average Depth at End of Month. |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 10 | 9 | 3 | 0 | 12 | 0 | 0 | 0 | 0 |

(w) Maximum precipitation in 5 minutes 0.18, date 7"; 10 minutes 0.23, date 7"; 15 minutes 0.24, date 7";
30 minutes 0.25, date 7"; 1 hour 0.30, date ~~14~~ 20"; 2 hours 0.41, date ~~19~~ 20."

## EXCESSIVE.

| Date. | Total Duration. From— | To— | Total amount of precipitation. | Excessive Rate. Began— | Ended— | Amt. before excessive began. | Accumulated Depths During Excessive Rate for Consecutive Periods of Time Indicated Below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| None during month | | | | | | | | | | | | | | | | | | | | |

* The duration is the time precipitation was actually recorded.

8—154

Prepared by C.D.S.

C. M. Banaugh, Meteorologist, Weather Bureau.

*ORIGINAL MONTHLY RECORD OF OBSERVATIONS at* Fort Wayne, Ind., *for the Month of* [illegible], 192[illegible]

*Number of Station barometer,* 656; *sum of corrections,* +.009 *inch.*

SPECIAL OBSERVATIONS.

| Date. | Time. 75th mer. | Time. Local (standard). | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) | Barometer. Reduced to sea-level. | Thermometers. Dry. | Thermometers. Wet. | Dew-point. | Depression of the dew-point. | Relative humidity. | Maximum thermometer. | Wind. Direction. | Wind. Velocity. † | Wind. Max. since last observation. | Wind. Direction. | Precipitation. †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Special Phenomena. | Initials of Observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20th | 2 00 pm | 1 00 pm | 71.0 | 28.896 | .120 | 28.776 | 29.68 | 78.2 | 68.2 | 63 | 15 | 60 | 78.4 | SW | 16 | | | 0 | 4 | Cu | SW | Pt. Cloudy | Ordered by Chicago | PMD | 20th |
| | | | | | | | | Extremes of Pressure. | | | | | | | | | | | | | | | | | |
| 17th | 9 30 am | 8 30 am | | | | 29.500 | 30.44 | 60.0 | | | | | | | | | | | | | | | | | 17th |
| | | | | | | | | Highest | | | | | | | | | | | | | | | | | |
| 20th | 3 30 pm | 2 30 pm | | | | 28.750 | 29.65 | 77.0 | | | | | | | | | | | | | | | | | 20th |
| | | | | | | | | Lowest | | | | | | | | | | | | | | | | | |

If additional space is required, rule a sheet similar to this, and paste to this margin.

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

8—15½

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of SEP - - 1923, 192

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

| DATE. | N. | | NE. | | E. | | SE. | | S. | | SW. | | W. | | NW. | | CALM. | | TOTAL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. |
| 1 | | | | | | | 20 | 3 | 111 | 21 | | | | | | | | | 131 | 24 |
| 2 | | | | | | | | | 101 | 13 | 104 | 11 | | | | | | | 205 | 24 |
| 3 | | | | | | | 6 | 1 | 22 | 4 | 34 | 8 | 39 | 9 | 4 | 2 | | | 105 | 24 |
| 4 | 16 | 4 | 40 | 6 | 58 | 12 | | | | | 2 | 1 | | | 2 | 1 | | | 118 | 24 |
| 5 | | | 19 | 4 | 55 | 16 | 8 | 3 | | | | | | | | | 0 | 1 | 82 | 24 |
| 6 | | | | | 32 | 8 | 5 | 1 | 131 | 13 | 28 | 2 | | | | | | | 196 | 24 |
| 7 | | | | | | | | | 23 | 2 | 198 | 18 | 33 | 3 | 9 | 1 | | | 263 | 24 |
| 8 | 12 | 1 | 20 | 2 | 6 | 1 | | | 3 | 1 | 138 | 13 | 53 | 6 | | | | | 232 | 24 |
| 9 | 103 | 15 | 6 | 1 | 7 | 3 | | | | | | | | | 35 | 5 | | | 151 | 24 |
| 10 | | | 34 | 6 | 22 | 4 | 11 | 2 | 30 | 10 | 9 | 2 | | | | | | | 106 | 24 |
| 11 | | | | | | | | | 55 | 9 | 90 | 11 | | | 11 | 4 | | | 156 | 24 |
| 12 | | | | | | | | | | | 19 | 2 | 45 | 5 | 147 | 17 | | | 211 | 24 |
| 13 | 30 | 7 | | | | | | | | | | | 7 | 1 | 143 | 16 | | | 180 | 24 |
| 14 | 8 | 4 | 10 | 3 | 25 | 6 | 7 | 2 | 23 | 4 | 5 | 1 | | | 8 | 4 | | | 86 | 24 |
| 15 | | | | | 43 | 9 | 40 | 11 | 26 | 4 | | | | | | | | | 109 | 24 |
| 16 | | | | | 160 | 22 | 9 | 2 | | | | | | | | | | | 169 | 24 |
| 17 | | | | | 55 | 9 | 68 | 12 | 19 | 3 | | | | | | | | | 142 | 24 |
| 18 | 13 | 2 | | | | | | | 49 | 5 | 169 | 17 | | | | | | | 231 | 24 |
| 19 | 31 | 7 | 7 | 1 | 68 | 14 | 11 | 2 | | | | | | | | | | | 117 | 24 |
| 20 | | | 7 | 1 | 54 | 9 | | | 73 | 7 | 22 | 2 | 33 | 5 | | | | | 189 | 24 |
| 21 | 91 | 12 | 21 | 3 | | | | | | | 51 | 9 | | | | | | | 163 | 24 |
| 22 | | | 100 | 22 | 10 | 2 | | | | | | | | | | | | | 110 | 24 |
| 23 | 2 | 1 | 41 | 15 | 16 | 6 | | | | | | | | | | | 0 | 2 | 59 | 24 |
| 24 | | | 18 | 7 | 85 | 16 | | | | | | | | | | | 0 | 1 | 103 | 24 |
| 25 | | | | | 88 | 18 | 4 | 1 | 19 | 5 | | | | | | | | | 111 | 24 |
| 26 | | | | | | | | | 68 | 18 | 40 | 5 | | | | | 0 | 1 | 108 | 24 |
| 27 | | | | | | | 5 | 1 | 57 | 14 | 49 | 9 | | | | | | | 111 | 24 |
| 28 | 8 | 2 | | | | | | | 14 | 2 | 6 | 1 | 18 | 4 | 98 | 15 | | | 144 | 24 |
| 29 | 35 | 8 | 140 | 16 | | | | | | | | | | | | | | | 175 | 24 |
| 30 | 12 | 2 | 117 | 19 | 16 | 3 | | | | | | | | | | | | | 145 | 24 |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Sum. | 361 | 65 | 580 | 106 | 800 | 158 | 194 | 41 | 824 | 135 | 964 | 112 | 228 | 33 | 457 | 65 | 0 | 5 | 4408 | 720 |
| Percentage | 8 | 9 | 13 | 15 | 18 | | 5 | 6 | 19 | 19 | 22 | | 5 | 5 | 10 | 9 | 0 | 1 | a | a |
| Avg. Hourly Velocity | 5.6 | a | 5.5 | a | 5.1 | a | 4.7 | a | 6.1 | a | 8.6 | a | 6.9 | a | 7.0 | a | 0 | a | 6.1 | a |

8—154

Form No. 1001—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE,

## WEATHER BUREAU.

# ORIGINAL MONTHLY RECORD

## OF

# OBSERVATIONS

## AT

Fort Wayne, Ind.

## *For the Month of* October, 1923.

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, ____; No. of wet thermometer in use, ____; No. of maximum thermometer in use, ____; No. of minimum thermometer in use, ____

†Elevation above ground of the dry thermometer, ____ feet; rain gage, ____ feet; anemometer, ____ feet.

If the office has been moved during the month, give date ____; amount of change in height of barometer, ____ feet (higher or lower).

No. of extra barometer, 675; sum of corrections, -.017; date and observation upon which use of station barometer commenced, May 20, 1911 7:00 a.m., station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Corner of Berry & Calhoun street/ room 911-912 Shoaff Building; first observation taken in present office, 7:00 a. m. May 20, 1911.

*Cancel words that are not appropriate. †To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months. 8—154

# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of October, 1923

Number of Station barometer, 656; sum of corrections, -.009 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 A. M. 90TH MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 A. M. LOCAL MEAN TIME.

| Date. | Barometer: Attached thermometer. | Barometer: Observed reading. | Barometer: Total correction. | Barometer: Station. (Observed reading plus total cor.) (b) | Barometer: Reduced to sea-level. (b) | Thermometers: Dry. (b) | Thermometers: Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-reg. ther's.: Max. (b) | Self-reg. ther's.: Min. (b) | Wind: Dir. | Wind: Velocity. (b) † | Wind: Max. during preceding 12 hours. | Wind: Dir. | Precipitation. Amt. at 8 a. m. (b) †† | Clouds: Amt. | Clouds: Kind. | Clouds: Dir. from. | State of Weather. | | Initials of observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | |
| 1 | 73.5 | 29.385 | .129 | 29.256 | 30.19 | 51.0 | 49.6 | 48 | 91 | .334 | 62.0 | 49.6 | NE | 4 | | | 0 | 9 | ACu | NW | Cloudy | | CWS | 1 |
| 2 | 73.0 | 29.385 | .127 | 29.258 | 30.19 | 51.0 | 48.3 | 46 | 83 | .310 | 64.0 | 47.9 | SE | 2 | | | 0 | 6 | ACu | W | Pt. Cloudy | | CWS | 2 |
| 3 | 71.5 | 29.255 | .122 | 29.133 | 30.06 | 48.0 | 46.8 | 46 | 92 | .310 | 61.8 | 42.0 | W | 3 | | | 0 | 1 | Cu | W | Clear | | CWS | 3 |
| 4 | 71.0 | 29.193 | .121 | 29.072 | 30.00 | 48.7 | 42.9 | 36 | 62 | .211 | 60.4 | 48.7 | N | 9 | | | 0 | 8 | Cu | NW | Cloudy | | CWS | 4 |
| 5 | 72.0 | 29.480 | .126 | 29.355 | 30.31 | 40.0 | 36.0 | 31 | 68 | .172 | 48.0 | 36.0 | N | 2 | | | 0 | 0 | 0 | 0 | Clear | | CWS | 5 |
| 6 | 70.0 | 29.485 | .119 | 29.366 | 30.32 | 38.7 | 35.8 | 32 | 76 | .180 | 49.0 | 35.7 | NE | 4 | | | 0 | 2 | ACu | W | Clear | | CWS | 6 |
| 7 | 69.0 | 29.558 | .117 | 29.441 | 30.39 | 37.8 | 35.3 | 32 | 79 | .180 | 50.4 | 35.7 | E | 4 | | | 0 | 0 | 0 | 0 | Clear | | CWS | 7 |
| 8 | 71.0 | 29.685 | .123 | 29.562 | 30.51 | 40.0 | 36.6 | 32 | 73 | .180 | 51.2 | 35.6 | NE | 5 | | | 0 | 0 | 0 | 0 | Clear | | CWS | 8 |
| 9 | 71.0 | 29.691 | .123 | 29.568 | 30.52 | 40.0 | 37.5 | 34 | 80 | .195 | 55.9 | 37.7 | E | 3 | | | 0 | 2 | Lt. Smoke | E | Clear | | CWS | 9 |
| 10 | 72.0 | 29.550 | .125 | 29.425 | 30.36 | 47.8 | 42.2 | 36 | 62 | .211 | 60.0 | 43.9 | E | 2 | | | 0 | 2 | Ci St | NW | Clear | | CWS | 10 |
| 11 | 71.5 | 29.431 | .123 | 29.308 | 30.25 | 49.6 | 44.0 | 38 | 64 | .228 | 64.8 | 46.8 | SW | 3 | | | 0 | 0 | 0 | 0 | Clear | | CWS | 11 |
| 12 | 72.5 | 29.427 | .126 | 29.301 | 30.23 | 53.8 | 45.8 | 38 | 54 | .228 | 67.0 | 50.9 | SW | 3 | | | 0 | 7 | AST | W | Pt. Cloudy | | CWS | 12 |
| 13 | 72.5 | 29.400 | .126 | 29.274 | 30.20 | 53.0 | 47.0 | 41 | 64 | .256 | 68.3 | 52.7 | SW | 9 | | | 0 | 6 | AST | NW | Pt. Cloudy | | CWS | 13 |
| 14 | 72.0 | 29.435 | .125 | 29.310 | 30.25 | 44.3 | 43.8 | 43 | 96 | .277 | 55.0 | 43.8 | N | 4 | | | .32 | 10 | Nb | N | Lt. Rain | | CWS | 14 |
| 15 | 69.0 | 29.327 | .116 | 29.211 | 30.14 | 38.8 | 38.2 | 88 | 95 | .228 | 48.8 | 31.6 | E | 4 | | | 0 | 10 | Dense fog | E | Foggy | | CWS | 15 |
| 16 | 68.0 | 29.195 | .113 | 29.082 | 30.01 | 54.0 | 53.0 | 52 | 94 | .387 | 54.0 | 53.4 | E | 5 | | | 0 | 10 4 | St Lt. Fog | E E | Cloudy | | CWS | 16 |
| 17 | 68.0 | 29.046 | .112 | 28.934 | 29.84 | 63.8 | 57.0 | 52 | 67 | .387 | 66.0 | 62.7 | SE | 12 | | | T | 9 | AST | W | Cloudy | | CWS | 17 |
| 18 | 70.0 | 28.871 | .117 | 28.754 | 29.66 | 58.0 | 56.5 | 56 | 91 | .448 | 64.8 | 58.0 | SE | 7 | | | .12 | 10 | Nb | SE | Lt. Rain | | CWS | 18 |
| 19 | 71.5 | 28.757 | .120 | 28.637 | 29.55 | 49.8 | 46.8 | 44 | 81 | .287 | 62.0 | 49.8 | NW | 19 | 30 | NW | .02 | 10 | StCu | NW | Cloudy | | CWS | 19 |
| 20 | 72.0 | 29.268 | .124 | 29.144 | 30.08 | 36.0 | 34.0 | 31 | 82 | .172 | 45.8 | 35.0 | SW | 9 | | | 0 | 0 | 0 | 0 | Clear | | CWS | 20 |
| 21 | 68.5 | 29.520 | .115 | 29.405 | 30.35 | 38.0 | 35.0 | 31 | 75 | .172 | 42.0 | 37.5 | W | 5 | | | 0 | 10 | Cu | SW | Cloudy | | CWS | 21 |
| 22 | 71.0 | 29.652 | .123 | 29.529 | 30.48 | 34.5 | 31.3 | 27 | 70 | .143 | 43.3 | 32.3 | NE | 6 | | | 0 | 3 | Lt. Smoke | NE | Clear | | CWS | 22 |
| 23 | 72.0 | 29.528 | .125 | 29.403 | 30.35 | 36.0 | 33.2 | 29 | 75 | .157 | 44.0 | 33.7 | NE | 8 | | | 0 | 0 | 0 | 0 | Clear | | CWS | 23 |
| 24 | 74.0 | 29.128 | .129 | 28.999 | 29.94 | 44.9 | 39.1 | 31 | 59 | .172 | 49.3 | 43.4 | N | 17 | | | 0 | 10 | AST | NW | Cloudy | | CWS | 24 |
| 25 | 70.0 | 29.281 | .119 | 29.162 | 30.09 | 46.0 | 44.0 | 42 | 86 | .266 | 51.8 | 44.8 | NW | 11 | | | T | 0 | 0 | 0 | Clear | | CWS | 25 |
| 26 | 71.0 | 29.679 | .122 | 29.457 | 30.41 | 39.6 | 38.9 | 38 | 94 | .228 | 48.3 | 39.6 | N | 3 | | | 0 | 10 | St | NE | Cloudy | | CWS | 26 |
| 27 | 72.5 | 29.489 | .126 | 29.363 | 30.31 | 41.8 | 41.0 | 40 | 94 | .247 | 42.0 | 40.7 | E | 5 | | | .01 | 10 | St | E | Cloudy | | CWS | 27 |
| 28 | 70.5 | 29.426 | .121 | 29.305 | 30.24 | 44.2 | 43.1 | 42 | 92 | .266 | 50.7 | 43.6 | SW | 12 | | | T | 9 | St Cu | SW | Cloudy | | CWS | 28 |
| 29 | 72.0 | 29.551 | .125 | 29.426 | 30.38 | 36.6 | 33.1 | 30 | 78 | .164 | 46.9 | 33.8 | S | 4 | | | 0 | 5 3 | Cu Lt. Smoke | SW S | Pt. Cloudy | | CWS | 29 |
| 30 | 70.0 | 29.279 | .119 | 29.160 | 30.10 | 37.0 | 36.5 | 36 | 95 | .211 | 48.8 | 36.0 | N | 10 | | | .60 | 10 | St | NW | Cloudy | | CWS | 30 |
| 31 | 69.5 | 29.481 | .118 | 29.363 | 30.32 | 26.8 | 25.0 | 22 | 78 | .113 | 32.8 | 26.8 | SW | 8 | | | 0 | 0 | 0 | 0 | Clear | | CWS | 31 |
| Sums | (a) | (a) | | 906.963 | 936.03 | 1368.5 | 1277.3 | 1174 | 2450 | 7.320 | (a) | (a) | (a) | 202 | (a) | (a) | 1.07 | 154 | (a) | (a) | (a) | | (a) | (a) |
| Means | (a) | (a) | | 29.257 | 30.195 | 44.1 | 41.2 | 37.9 | 79.0 | .236 | (a) | (a) | (c) N E SW | 6.5 | (a) | (a) | (a) | 5.0 | U a. St. L Cu. & St. | U W & NW L E | (a) | | (a) | (a) |

Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

U, upper clouds.

L, lower clouds.

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# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of October 1923

Number of Station barometer, 636; sum of corrections, .009 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 P. M. 90° MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 P. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. | Vapor pressure. (b) | Self-reg.ther's. Max. (b) | Self-reg.ther's. Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 p. m. (b) †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Fog, Mid. to Mid. (local standard time). Light. (f) | Fog, Mid. to Mid. (local standard time). Dense. (f) | Initials of observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | | |
| 1 | 74.0 | 29.356 | .129 | 29.227 | 30.15 | 64.0 | 53.9 | 46 | 62 | .310 | 69.0 | 51.0 | NE | 2 | | | 0 | 3 | StCu | NE | Clear | | | BMcD. | 1 |
| 2 | 73.0 | 29.303 | .126 | 29.177 | 30.11 | 61.8 | 54.1 | 48 | 61 | .334 | 67.8 | 51.0 | NE | 4 | | | 0 | 0 | 0 | 0 | Clear | | | BMcD. | 2 |
| 3 | 71.5 | 29.104 | .121 | 28.983 | 29.91 | 60.4 | 50.9 | 42 | 51 | .266 | 70.4 | 48.0 | W | 4 | | | 0 | 6 | Haze | — | Clear | E-8:35a | | BMcD. | 3 |
| 4 | 74.0 | 29.344 | .129 | 29.215 | 30.15 | 48.0 | 41.1 | 32 | 55 | .180 | 56.3 | 48.0 | NE | 9 | | | 0 | 0 | 0 | 0 | Clear | | | BMcD. | 4 |
| 5 | 72.0 | 29.426 | .125 | 29.301 | 30.24 | 49.0 | 41.2 | 31 | 50 | .172 | 54.6 | 40.0 | NW | 5 | | | 0 | 0 | 0 | 0 | Clear | | | BMcD. | 5 |
| 6 | 71.0 | 29.440 | .122 | 29.318 | 30.26 | 50.4 | 42.9 | 34 | 53 | .195 | 55.8 | 38.7 | NE | 6 | | | 0 | 0 | 0 | 0 | Clear | | | BMcD. | 6 |
| 7 | 71.0 | 29.534 | .122 | 29.412 | 30.36 | 51.2 | 42.2 | 31 | 45 | .172 | 57.4 | 37.8 | E | 4 | | | 0 | 0 | 0 | 0 | Clear | | | BCD. | 7 |
| 8 | 72.0 | 29.630 | .126 | 29.504 | 30.44 | 55.9 | 46.1 | 35 | 46 | .203 | 63.0 | 40.0 | NE | 6 | | | 0 | 0 | 0 | 0 | Clear | | | BMcD. | 8 |
| 9 | 73.0 | 29.590 | .127 | 29.463 | 30.40 | 60.0 | 49.0 | 38 | 44 | .228 | 66.2 | 40.0 | E | 3 | | | 0 | 0 | 0 | 0 | Clear | | | BMcD. | 9 |
| 10 | 73.0 | 29.408 | .127 | 29.281 | 30.22 | 64.8 | 51.2 | 38 | 37 | .228 | 72.8 | 47.8 | SW | 4 | | | 0 | 0 | 0 | 0 | Clear | | | BMcD. | 10 |
| 11 | 73.5 | 29.360 | .128 | 29.232 | 30.15 | 67.0 | 53.3 | 41 | 39 | .256 | 77.0 | 49.6 | SW | 3 | | | 0 | 0 | 0 | 0 | Clear | | | BMcD. | 11 |
| 12 | 74.5 | 29.384 | .131 | 29.253 | 30.18 | 68.3 | 55.3 | 45 | 43 | .298 | 78.4 | 53.8 | SW | 5 | | | 0 | 0 | 0 | 0 | Clear | | | BMcD. | 12 |
| 13 | 73.0 | 29.386 | .127 | 29.259 | 30.20 | 55.0 | 53.0 | 52 | 88 | .387 | 73.7 | 53.0 | NW | 9 | | | 0 | 9 | StCu | NW | Cloudy | | | BMcD. | 13 |
| 14 | 71.0 | 29.343 | .121 | 29.222 | 30.15 | 48.8 | 46.8 | 45 | 87 | .298 | 53.8 | 44.3 | SE | 3 | | | .04 | 10 | St | E | Cloudy | B-9:25p E Contd | | BCD. | 14 |
| 15 | 70.5 | 29.268 | .120 | 29.148 | 30.08 | 53.5 | 53.0 | 52 | 97 | .387 | 55.2 | 38.8 | E | 6 | | | 0 | 8 | ASt | W | Cloudy | B-10:02a E-11:17a | B-Contd E-11:02a | BMcD. | 15 |
| 16 | 69.0 | 29.130 | .116 | 29.014 | 29.93 | 66.0 | 60.0 | 56 | 71 | .448 | 71.8 | 54.0 | SE | 5 | | | 0 | 9 | ASt | W | Cloudy | B-9:27A E-10:45a | | BMcD. | 16 |
| 17 | 72.5 | 29.052 | .124 | 28.928 | 29.84 | 64.8 | 61.2 | 59 | 82 | .499 | 70.9 | 61.0 | S | 6 | 28 | S | .49 | 10 | St | S | Cloudy | | | BMcD. | 17 |
| 18 | 73.6 | 28.670 | .126 | 28.544 | 29.45 | 62.0 | 60.0 | 59 | 89 | .499 | 62.0 | 56.0 | SE | 14 | | | 1.47 | 8 | StCu | S | Cloudy | | | BMcD. | 18 |
| 19 | 71.0 | 29.094 | .120 | 28.974 | 29.90 | 46.8 | 40.3 | 34 | 62 | .195 | 49.8 | 45.8 | W | 12 | 26 | NW | .01 | 9 | StCu | NW | Cloudy | | | BMcD. | 19 |
| 20 | 72.0 | 29.396 | .125 | 29.271 | 30.22 | 42.0 | 37.0 | 30 | 62 | .164 | 50.4 | 36.0 | NW | 7 | | | 0 | 0 | 0 | 0 | Clear | | | BMcD. | 20 |
| 21 | 72.5 | 29.566 | .126 | 29.440 | 30.39 | 43.3 | 39.0 | 28 | 54 | .150 | 47.8 | 38.0 | N | 4 | | | 0 | 7 | Cu | NE | Pt. Cloudy | | | BCD. | 21 |
| 22 | 74.5 | 29.594 | .131 | 29.463 | 30.41 | 44.0 | 37.6 | 29 | 55 | .139 | 49.0 | 37.5 | E | 4 | | | 0 | 0 | 0 | 0 | Clear | | | BMcD. | 22 |
| 23 | 74.5 | 29.340 | .130 | 29.210 | 30.14 | 49.3 | 43.3 | 36 | 61 | .211 | 55.2 | 36.0 | N | 9 | | | 0 | 5 | ASt | W | Pt. Cloudy | | | BMcD. | 23 |
| 24 | 72.0 | 29.112 | .123 | 28.989 | 29.92 | 51.8 | 46.3 | 41 | 66 | .256 | 53.7 | 44.9 | NW | 19 | 27 | NW | T | 10 | Nb | NW | H. Rain | | | BMcD. | 24 |
| 25 | 72.0 | 29.428 | .125 | 29.303 | 30.24 | 48.3 | 45.8 | 43 | 83 | .277 | 58.4 | 46.0 | NW | 14 | | | 0 | 8 | ASt | W | Cloudy | | | BMcD. | 25 |
| 26 | 75.0 | 29.566 | .133 | 29.433 | 30.38 | 42.0 | 40.8 | 40 | 90 | .247 | 42.9 | 39.6 | E | 6 | | | 0 | 10 | St | E | Cloudy | | | BMcD. | 26 |
| 27 | 72.0 | 29.370 | .124 | 29.246 | 30.18 | 50.4 | 47.4 | 44 | 81 | .287 | 52.0 | 41.8 | S | 1 | | | T | 10 | St | S | Cloudy | | | BMcD. | 27 |
| 28 | 72.0 | 29.516 | .125 | 29.391 | 30.34 | 46.9 | 40.1 | 31 | 55 | .172 | 53.1 | 44.2 | W | 3 | | | 0 | 2 | Cu | SW | Clear | | | BCD. | 28 |
| 29 | 72.0 | 29.442 | .125 | 29.317 | 30.27 | 46.8 | 42.0 | 36 | 67 | .211 | 47.9 | 33.9 | E | 4 | | | T | 10 | St | E | Cloudy | | | BMcD. | 29 |
| 30 | 72.6 | 29.486 | .126 | 29.360 | 30.32 | 32.8 | 29.8 | 25 | 71 | .139 | 40.8 | 32.8 | NW | 10 | | | T | 9 | StCu | NW | Cloudy | | | BMcD. | 30 |
| 31 | 75.0 | 29.491 | .133 | 29.358 | 30.32 | 37.4 | 33.2 | 26 | 61 | .136 | 41.8 | 26.8 | NW | 13 | | | 0 | 3 | StCu | NW | Clear | | | BMcD. | 31 |
| Sums | (a) | (a) | (a) | 906.236 | 935.25 | 1632.2 | 1435.8 | 1227 | 1958 | 7.953 | (a) | (a) | (a) | 203 | (a) | (a) | 2.01 | 140 | (a) | (a) | (a) | 3 | 2 | (a) | (a) |
| Means | (a) | (a) | (a) | 29.233 | 30.169 | 52.7 | 46.3 | 39.6 | 63.2 | .257 | (a) | (a) | (c) NW | 6.5 | (a) | (a) | (a) | 4.5 | U SCu L StCu | U W L NW | (a) | (a) | (a) | (a) | (a) |

Observations are begun about 7.40 o'clock, 75th meridian time.

†By dial when self-register is out of order. ††T indicates trace of precipitation. U, upper clouds. L, lower clouds.

# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of October, 1923

| Date. | TEMPERATURE. | | | | | | | | PRECIPITATION. | | | | | | | | | | | | | | | | | | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Maximum. (b) | Minimum. (b) | Range. (b) | Change. (b) | Mean (max. and min.). (b) | Normal. | Departure. | Total excess or deficiency since 1st of month. | Character. ‡ | Beginning. | Ending. | Character. ‡ | Beginning. | Ending. | Character. ‡ | Beginning. | Ending. | Character. ‡ | Beginning. | Ending. | Total (mid. to mid.). (b) †† | Normal. | Departure. | Total excess or deficiency since 1st of month. | Hail and sleet unmelted. 2 p.m. to 2 p.m. *‡‡ | Snow unmelted. 2 p.m. to 2 p.m. *‡‡ | Hail, sleet, and snow on ground at 2 p.m. *‡‡ | Amount of precipitation from melted snow (mid. to mid.). | |
| | ° | ° | ° | ° | ° | | | | | | | | | | | | | | | | In. | | | | In. | In. | In. | In. | |
| 1 | 69 | 50 | 19 | 0 | 60 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 1 |
| 2 | 68 | 48 | 20 | 2 | 58 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 2 |
| 3 | 70 | 47 | 23 | 0 | 58 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 3 |
| 4 | 56 | 39 | 17 | 10 | 48 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 4 |
| 5 | 65 | 46 | 19 | 2 | 46 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 5 |
| 6 | 56 | 36 | 20 | 0 | 46 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 6 |
| 7 | 57 | 36 | 21 | 0 | 46 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 7 |
| 8 | 63 | 36 | 27 | 4 | 50 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 8 |
| 9 | 66 | 38 | 28 | 2 | 52 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 9 |
| 10 | 73 | 44 | 29 | 6 | 58 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 10 |
| 11 | 77 | 47 | 30 | 4 | 62 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 11 |
| 12 | 78 | 51 | 27 | 2 | 64 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 12 |
| 13 | 74 | 51 | 23 | 2 | 62 | | | | R | 9:10p | Cont'd | | | | | | | | | | .06 | | | | 0 | 0 | 0 | 0 | 13 |
| 14 | 54 | 44 | 10 | 13 | 49 | | | | R | Cont'd | 8:15a | R | 8:46a | 10:07a | | | | | | | .30 | | | | 0 | 0 | 0 | 0 | 14 |
| 15 | 55 | 38 | 17 | 3 | 46 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 15 |
| 16 | 72 | 53 | 19 | 16 | 62 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 16 |
| 17 | 71 | 61 | 10 | 4 | 66 | | | | R | 1:00a | 6:25a | R | 12:12p | 5:20p | R | 7:40p | Cont'd | | | | .52 | | | | 0 | 0 | 0 | 0 | 17 |
| 18 | 62 | 56 | 6 | 7 | 59 | | | | R | Cont'd | 4:15p | R | 5:45p | 5:50p | | | | | | | 1.56 | | | | 0 | 0 | 0 | 0 | 18 |
| 19 | 62 | 44 | 18 | 6 | 53 | | | | R | DNA | DNA | R | 6:20a | 6:31a | R | 7:25a | 7:30a | R | 8:05a | 9:18a | .03 | | | | 0 | 0 | 0 | 0 | 19 |
| 20 | 50 | 35 | 15 | 11 | 42 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 20 |
| 21 | 48 | 36 | 12 | 0 | 42 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 21 |
| 22 | 49 | 32 | 17 | 2 | 40 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 22 |
| 23 | 55 | 34 | 21 | 4 | 44 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 23 |
| 24 | 64 | 43 | 21 | 4 | 48 | | | | R | 6:30p | 7:07p | | | | | | | | | | T | | | | 0 | 0 | 0 | 0 | 24 |
| 25 | 58 | 43 | 15 | 2 | 50 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 25 |
| 26 | 43 | 40 | 3 | 8 | 42 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 26 |
| 27 | 52 | 42 | 10 | 5 | 47 | | | | R | DNA | 6:00a | R | 7:15a | 7:17a | | | | | | | .01 | | | | 0 | 0 | 0 | 0 | 27 |
| 28 | 53 | 41 | 12 | 0 | 47 | | | | R | DNA | DNA | | | | | | | | | | T | | | | 0 | 0 | 0 | 0 | 28 |
| 29 | 48 | 34 | 14 | 6 | 41 | | | | R | 3:25p | 4:15p | R | 7:20p | Cont'd | | | | | | | .10 | | | | 0 | 0 | 0 | 0 | 29 |
| 30 | 49 | 31 | 18 | 1 | 40 | | | | R | Cont'd | DNA | R | 7:30a | 7:40a | R | 12:40p | 1:15p | | | | .50 | | | | 0 | 0 | 0 | 0 | 30 |
| 31 | 42 | 27 | 15 | 6 | 34 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 31 |
| S | 1839 | 1293 | 546 | 132 | 1562 | | Total excess or deficiency since January 1, | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | 3.08 | | Total excess or deficiency since January 1, | | 0 | 0 | (a) | (a) | (a) |
| M | 59.3 | 41.7 | 17.6 | 4.3 | 50.4 | (a) | | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | | | (a) | (a) | (a) | (a) | (a) |

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, S$^{d}$—dry snow, S$^{m}$—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.



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# SUMMARY FOR THE MONTH OF October, 1923.

The 8 a. m. and 8 p. m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

## PRESSURE.

(Correction to reduce to a 24-hour mean -.006)

### STATION.

| Mean. 8 a. m. | Mean. 8 p. m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 29.257 | 29.233 | 29.245 | 29.580 | 9 | 28.420 | 19 | 1.160 |
| Corrected mean | | 29.239 | | | | | |

### REDUCED.

| Mean. 8 a. m. | Mean. 8 p. m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 30.195 | 30.169 | 30.182 | 30.53 | 9 | 29.32 | 19 | 1.21 |
| Corrected mean | | 30.176 | | | | | |

## TEMPERATURE.

### MEAN.

| Dry. 8 a. m. | Dry. 8 p. m. | Dry. (8+8)÷2 (g) | Wet. 8 a. m. | Wet. 8 p. m. | Wet. Monthly. (g) | Max. | Min. | Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 44.1 | 52.7 | 48.4 | 41.2 | 46.3 | 43.8 | 59.3 | 41.7 | 50.5 |

| Highest. (i) | Date. (i) | Lowest. (i) | Date. (i) | Absolute range. | Greatest daily range. (i) | Date. (i) | Least daily range. (i) | Date. (i) |
|---|---|---|---|---|---|---|---|---|
| 78 | 12 | 27 | 31 | 51 | 30 | 11 | 3 | 26 |

| Dew-point. 8 a. m. | Dew-point. 8 p. m. | Dew-point. Monthly. (g) | Relative Humidity. 8 a. m. | Relative Humidity. 8 p. m. | Relative Humidity. Monthly. (g) | Vapor Pressure. 8 a. m. | Vapor Pressure. 8 p. m. | Vapor Pressure. Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 37.9 | 39.6 | 38.8 | 79.0 | 63.2 | 71.1 | .236 | .259 | .246 |

Number of days with—(j)

| Maximum. 32° or below. | Maximum. 90° or above. | Minimum. 32° or below. | Minimum. Zero or below. |
|---|---|---|---|
| 0 | 0 | 2 | 0 |

CLOUDS.

Most frequent clouds Cumulus

Most frequent direction upper clouds West

Most frequent direction lower clouds Northwest

## WIND.

| Total movement (mid. to mid.). | Average hourly velocity. | Prevailing direction. (p) | Maximum velocity. (r) | Direction. (r) | Date. (r) | Number of Times Wind Observed from the—N. | NE. | E. | SE. | S. | SW. | W. | NW. | Calm. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5,212 | 7.0 | E | 30 | NW | 19 | 8 | 10 | 12 | 6 | 3 | 9 | 5 | 9 | 0 |

## WEATHER.

| Mean Cloudiness. 8 a. m. | 8 p. m. | Monthly. (t) | Sunshine. Percentage of possible. | Number of Days. Clear. | Partly cloudy. | Cloudy. | Number of Days with Precipitation (Mid. to Mid.). Clear. (u) | Partly cloudy. (u) | Cloudy. (u) |
|---|---|---|---|---|---|---|---|---|---|
| 5.0 | 4.5 | 4.9 | 55 | 14 | 5 | 12 | 0 | 0 | 8 |

(9)

## MISCELLANEOUS PHENOMENA.

Dates of—(midnight to midnight).

| Frosts. Light. | Heavy. | Killing. | Thunderstorms. (v) | Winds. (40 miles or over.) | Solar Halos. | Lunar Halos. | Fog. Light. | Dense. | Haze. Light. | Dense. | Smoke. Light. | Dense. | Hail. | Aurora. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3d | 5th | 6th | None | None | 0 | 28, | 3, 15, 16 | 14, 15 | 3 | 0 | 9, 22, 29 | 0 | 0 | 0 |

## PRECIPITATION (in inches and hundredths). (m)

| Total amount. | Greatest amount in 24 consecutive hours. Amt. | Date. (k) | Excessive. 2.50 inches in 24 hours. (l) * Amt. | Duration. h. m. | Date. (k) | 1 inch per hour. (l) Amt. | Duration. h. m. | Date. (k) |
|---|---|---|---|---|---|---|---|---|
| 3.08 | 1.77 | 17-18 | None | | | None | | |

Number of days with—(Mid. to Mid.).

| Trace. | .01 or more. | .04 or more. | .25 or more. | 1.00 or more. | Total. | Snow. Trace or more. | Snow. .01 or more melted. |
|---|---|---|---|---|---|---|---|
| 2 | 8 | 6 | 4 | 1 | 10 | 0 | 0 |

| Snow. Total Depth. (o) | Snow. Average Depth at End of Month. |
|---|---|
| 0 | 0 |

(w) Maximum precipitation in 5 minutes 0.11, date 30; 10 minutes 0.15, date 30; 15 minutes 0.17, date 30;

30 minutes 0.22, date 18; 1 hour 0.34, date 18; 2 hours 0.53, date 18.

* 3 per. 17th to 3 p.m. 18th

## EXCESSIVE.

| Date. | Total Duration. From— | To— | Total amount of precipitation. | Excessive Rate. Began— | Ended— | Amt. before excessive began. | Accumulated Depths During Excessive Rate for Consecutive Periods of Time Indicated Below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| None during the month. | | | | | | | | | | | | | | | | | | | | |

* The duration is the time precipitation was actually recorded.

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Prepared by C.C.S

C. F. M. Boomer, Meteorologist, Weather Bureau.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of ~~August~~ October, 1923.

Number of Station Barometer, 656; sum of corrections, -.009 inch.

SPECIAL OBSERVATIONS.

| Date. | Time. 75th mer. | Time. Local (standard). | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) | Barometer. Reduced to sea-level. | Thermometers. Dry. | Thermometers. Wet. | Dew-point. | Depression of the dew-point. | Relative humidity. | Maximum thermometer. | Wind. Direction. | Wind. Velocity. † | Wind. Max. since last observation. Direction. | Precipitation. †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Special Phenomena. | Initials of Observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17" | 12 Noon | 11 am | 70.0 | 29.029 | .118 | 28.911 | 29.82 | 69.7 | 60.1 | 54 | 16 | 57 | 69.7 | SE | 22 | 22 SE | 0 | 10 | St Cu | S | Cloudy | Request of Chicago | CCB | 17" |
| 24" | 2 pm | 1 pm | 74.0 | 29.066 | .128 | 28.938 | 29.87 | 52.4 | 42.4 | 30 | 22 | 41 | 52.4 | NW | 20 | 24 NW | 0 | 10 | St Cu | NW | Cloudy | Request of Chicago | BMD | 24" |
| 30" | 12 Noon | 11 am | 78.0 | 29.373 | .126 | 29.247 | 30.19 | 39.8 | 37.0 | 33 | 7 | 78 | 40.8 | NW | 15 | | T | 10 | St Cu | NW | Cloudy | Request of Chicago | CCB | 30" |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | Pressure Extremes. | | | | | | | | | | | | | | | | | | |
| | | | | | | Highest | | | | | | | | | | | | | | | | | | |
| 9" | 9 am | 8 am | | | | 29.580 | 30.53 | 45.0 | | | | | | | | | | | | | | | | 9" |
| | | | | | | | | | Lowest | | | | | | | | | | | | | | | |
| 19" | 2 am | 1 am | | | | 28.420 | 29.32 | 61.0 | | | | | | | | | | | | | | | | 19" |

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation. 8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of OCT - - 1923, 192

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

| DATE. | N. | | NE. | | E. | | SE. | | S. | | SW. | | W. | | NW. | | CALM. | | TOTAL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. |
| 1 | 17 | 4 | 44 | 13 | 32 | 7 | | | | | | | | | | | | | 93 | 24 |
| 2 | 13 | 3 | 31 | 7 | 11 | 3 | 21 | 8 | | | 3 | 1 | | | 8 | 2 | | | 87 | 24 |
| 3 | 7 | 2 | | | | | | | | | 24 | 4 | 115 | 14 | 13 | 4 | | | 159 | 24 |
| 4 | 145 | 16 | 23 | 4 | | | | | | | 6 | 1 | 12 | 2 | 8 | 1 | | | 194 | 24 |
| 5 | 104 | 20 | 6 | 1 | | | | | | | | | | | 16 | 3 | | | 126 | 24 |
| 6 | 17 | 5 | 46 | 8 | 55 | 11 | | | | | | | | | | | | | 118 | 24 |
| 7 | | | 26 | 6 | 87 | 17 | 5 | 1 | | | | | | | | | | | 118 | 24 |
| 8 | | | 63 | 11 | 78 | 13 | | | | | | | | | | | | | 141 | 24 |
| 9 | | | 4 | 1 | 53 | 18 | 4 | 1 | | | | | | | | | 0 | 4 | 61 | 24 |
| 10 | | | | | 12 | 7 | | | | | 49 | 12 | 23 | 4 | | | 0 | 1 | 84 | 24 |
| 11 | | | | | | | | | | | 120 | 24 | | | | | | | 120 | 24 |
| 12 | | | | | | | | | 6 | 1 | 155 | 23 | | | | | | | 161 | 24 |
| 13 | | | | | | | | | 26 | 3 | 126 | 11 | 26 | 2 | 56 | 8 | | | 234 | 24 |
| 14 | 36 | 8 | 4 | 1 | 9 | 3 | 22 | 9 | | | | | | | 19 | 3 | | | 90 | 24 |
| 15 | | | 7 | 1 | 81 | 16 | 15 | 7 | | | | | | | | | | | 103 | 24 |
| 16 | | | | | 53 | 11 | 37 | 7 | 31 | 6 | | | | | | | | | 121 | 24 |
| 17 | | | | | 14 | 3 | 120 | 12 | 98 | 8 | 18 | 1 | | | | | | | 250 | 24 |
| 18 | | | | | 30 | 5 | 164 | 19 | | | | | | | | | | | 194 | 24 |
| 19 | | | | | | | | | 23 | 2 | 8 | 1 | 142 | 11 | 205 | 10 | | | 378 | 24 |
| 20 | | | | | | | | | | | 90 | 9 | 108 | 9 | 37 | 6 | | | 235 | 24 |
| 21 | 63 | 14 | | | | | | | | | | | 28 | 8 | 11 | 2 | | | 102 | 24 |
| 22 | 9 | 2 | 133 | 20 | 9 | 2 | | | | | | | | | | | | | 151 | 24 |
| 23 | 97 | 13 | 156 | 11 | | | | | | | | | | | | | | | 253 | 24 |
| 24 | 167 | 11 | | | | | | | | | | | | | 216 | 13 | | | 383 | 24 |
| 25 | 22 | 3 | | | | | | | | | | | | | 261 | 21 | | | 283 | 24 |
| 26 | 35 | 8 | 21 | 5 | 34 | 9 | 5 | 2 | | | | | | | | | | | 95 | 24 |
| 27 | | | 7 | 2 | 37 | 9 | 18 | 5 | 5 | 3 | 47 | 5 | | | | | | | 114 | 24 |
| 28 | | | | | | | | | | | 94 | 10 | 111 | 14 | | | | | 205 | 24 |
| 29 | 8 | 2 | 3 | 1 | 35 | 8 | | | 10 | 5 | 4 | 1 | 9 | 4 | 5 | 1 | 0 | 2 | 74 | 24 |
| 30 | 35 | 3 | | | 6 | 1 | 5 | 1 | 7 | 1 | | | 22 | 3 | 182 | 15 | | | 257 | 24 |
| 31 | | | | | | | | | | | 32 | 3 | 171 | 18 | 25 | 3 | | | 228 | 24 |
| SUM. | 775 | 114 | 574 | 92 | 636 | 143 | 416 | 72 | 206 | 29 | 776 | 106 | 767 | 89 | 1062 | 92 | 0 | 7 | 5212 | 744 |
| PERCENTAGE | 15 | 15 | 11 | 13 | 12 | 19 | 8 | 10 | 4 | 4 | 15 | 14 | 15 | 12 | 20 | 12 | 0 | 1 | a | a |
| AVG. HOURLY VELOCITY | 6.8 | a | 6.2 | a | 4.4 | a | 5.8 | a | 7.1 | a | 7.3 | a | 8.6 | a | 11.5 | a | 0 | a | 7.0 | a |

8—154

Form No. 1001—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE,

## WEATHER BUREAU.

# ORIGINAL MONTHLY RECORD

## OF

# OBSERVATIONS

## AT

Fort Wayne, Ind.

## *For the Month of* November, 1923.

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, _____; No. of wet thermometer in use, _____; No. of maximum thermometer in use, _____; No. of minimum thermometer in use, _____

†Elevation above ground of the dry thermometer, _____ feet; rain gage, _____ feet; anemometer, _____ feet.

If the office has been moved during the month, give date _____; amount of change in height of barometer, _____ feet (higher or lower).

No. of extra barometer, 675; sum of corrections, -.017; date and observation upon which use of station barometer commenced, May 20, 1911

Local, station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Corner of Berry & Calhoun street, rooms 911-917 Shoaf Building; first observation taken in present office, 7:00 a. m.

May 20, 1911

*Cancel words that are not appropriate. †To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months. 8—154

# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of November, 1923

Number of Station barometer, 656; sum of corrections, +.009 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 A. M. 90TH MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 A. M. LOCAL MEAN TIME.

| Date. | Barometer: Attached thermometer. | Barometer: Observed reading. | Barometer: Total correction. | Barometer: Station. (Observed reading plus total cor.) (b) | Barometer: Reduced to sea-level. (b) | Thermometers: Dry. (b) | Thermometers: Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-reg. ther's.: Max. (b) | Self-reg. ther's.: Min. (b) | Wind: Dir. | Wind: Velocity. (b) † | Wind: Max. during preceding 12 hours. | Wind: Dir. | Precipitation. Amt. at 8 a. m. (b) †† | Clouds: Amt. | Clouds: Kind. | Clouds: Dir. from. | State of Weather. | | Initials of observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | |
| 1 | 70.0 | 29.640 | .120 | 29.520 | 30.48 | 30.4 | 28.9 | 26 | 84 | .136 | 37.9 | 29.0 | W | 2 | | | 0 | 4 | Lt. Smoke | S | Clear | | CWD | 1 |
| 2 | 71.5 | 29.567 | .123 | 29.444 | 30.39 | 33.5 | 30.5 | 26 | 72 | .136 | 42.0 | 33.5 | SE | 2 | | | 0 | 2 | StCu | SE | Clear | | CWD | 2 |
| 3 | 70.5 | 29.442 | .121 | 29.321 | 30.27 | 42.8 | 31.3 | 29 | 85 | .157 | 47.2 | 32.8 | E | 7 | | | 0 | 8 | ASt | NW | Cloudy | | CWD | 3 |
| 4 | 70.0 | 29.112 | .118 | 28.994 | 29.93 | 43.7 | 42.7 | 42 | 93 | .266 | 46.8 | 43.0 | E | 3 | | | .34 | 10 | Nb | E | Lt. Rain | | CWD | 4 |
| 5 | 71.6 | 29.202 | .122 | 29.080 | 30.02 | 43.0 | 41.4 | 40 | 87 | .247 | 45.0 | 41.8 | N | 12 | | | .06 | 10 | St | N | Cloudy | | CWD | 5 |
| 6 | 73.5 | 29.216 | .128 | 29.088 | 30.03 | 40.0 | 39.0 | 38 | 92 | .228 | 44.8 | 40.0 | N | 6 | | | 0 | 10 | St | N | Cloudy | | CWD | 6 |
| 7 | 70.0 | 28.968 | .118 | 28.850 | 29.78 | 38.6 | 37.1 | 35 | 88 | .203 | 44.0 | 38.6 | NW | 11 | | | T | 1 | St | NW | Clear | | CWD | 7 |
| 8 | 71.0 | 29.322 | .121 | 29.201 | 30.14 | 30.0 | 28.2 | 25 | 80 | .130 | 38.1 | 29.8 | N | 12 | | | 0 | 9 | StCu | NW | Cloudy | | CWD | 8 |
| 9 | 71.0 | 29.528 | .122 | 29.406 | 30.37 | 27.6 | 26.4 | 24 | 86 | .124 | 34.6 | 26.8 | SW | 6 | | | 0 | 1 | St | SW | Clear | | CWD | 9 |
| 10 | 69.5 | 29.458 | .118 | 29.340 | 30.29 | 35.0 | 31.4 | 26 | 67 | .136 | 39.7 | 33.6 | SW | 10 | | | 0 | 0 | 0 | 0 | Clear | | CWD | 10 |
| 11 | 70.0 | 29.446 | .119 | 29.327 | 30.27 | 40.0 | 38.0 | 35 | 84 | .203 | 52.6 | 40.0 | NE | 9 | | | 0 | 1 | ASt | W | Clear | | CWD | 11 |
| 12 | 76.5 | 29.604 | .137 | 29.467 | 30.42 | 31.4 | 31.4 | 31 | 100 | .172 | 48.4 | 31.4 | E | 5 | | | 0 | 10 | Dense Fog | E | Foggy | | CWD | 12 |
| 13 | 71.5 | 29.614 | .123 | 29.491 | 30.44 | 34.8 | 34.3 | 34 | 95 | .195 | 43.2 | 33.0 | E | 8 | | | 0 | 10 | Dense Fog | E | Foggy | | CWD | 13 |
| 14 | 72.0 | 29.490 | .125 | 29.365 | 30.31 | 36.0 | 36.0 | 36 | 100 | .211 | 46.5 | 36.0 | SE | 6 | | | 0 | 10 | Dense Fog | E | Foggy | | CWD | 14 |
| 15 | 73.0 | 29.252 | .126 | 29.126 | 30.07 | 45.0 | 43.0 | 41 | 86 | .256 | 48.0 | 43.7 | S | 3 | | | .08 | 10 | Nb | SW | Lt. Rain | | CWD | 15 |
| 16 | 72.0 | 29.112 | .123 | 28.989 | 29.93 | 42.4 | 41.9 | 41 | 96 | .256 | 49.0 | 42.4 | NW | 10 | | | .36 | 10 | St | N | Cloudy | | CWD | 16 |
| 17 | 70.0 | 29.258 | .119 | 29.139 | 30.09 | 34.9 | 32.8 | 30 | 81 | .164 | 39.2 | 31.4 | W | 6 | 26 | NW | T | 10 | StCu | NW | Cloudy | | CWD | 17 |
| 18 | 68.0 | 28.940 | .112 | 28.828 | 29.76 | 38.0 | 36.3 | 34 | 85 | .195 | 40.0 | 37.9 | SW | 9 | | | 0 | 2 | ASt | NW | Clear | | CWD | 18 |
| 19 | 70.0 | 29.280 | .119 | 29.161 | 30.10 | 28.0 | 26.5 | 24 | 82 | .124 | 33.6 | 26.9 | E | 3 | | | 0 | 8 | StCu | NE | Cloudy | | CWD | 19 |
| 20 | 69.0 | 29.242 | .116 | 29.126 | 30.07 | 35.0 | 32.0 | 28 | 73 | .150 | 41.1 | 34.6 | S | 13 | | | 0 | 0 | 0 | 0 | Clear | | CWD | 20 |
| 21 | 69.0 | 29.096 | .115 | 28.981 | 29.91 | 49.3 | 45.3 | 41 | 74 | .256 | 52.8 | 42.9 | SW | 14 | | | 0 | 4 | ASt | W | Pt. Cloudy | | CWD | 21 |
| 22 | 73.5 | 29.506 | .129 | 29.377 | 30.33 | 33.0 | 32.0 | 31 | 90 | .172 | 45.0 | 32.6 | N | 3 | | | 0 | 2 | ASt | NW | Clear | | CWD | 22 |
| 23 | 72.0 | 29.092 | .123 | 28.969 | 29.92 | 36.2 | 35.7 | 35 | 95 | .203 | 37.7 | 35.4 | E | 6 | | | .10 | 10 6 | St | E | Lt. Fog | Cloudy | CWD | 23 |
| 24 | 70.5 | 29.332 | .120 | 29.212 | 30.15 | 33.6 | 33.0 | 32 | 94 | .180 | 39.8 | 32.4 | NW | 6 | | | 0 | 10 | St | NW | Cloudy | | CWD | 24 |
| 25 | 71.0 | 29.102 | .120 | 28.982 | 29.92 | 38.3 | 36.9 | 35 | 88 | .203 | 39.8 | 36.7 | S | 8 | | | 0 | 8 | StCu | S | Cloudy | | CWD | 25 |
| 26 | 70.6 | 28.810 | .118 | 28.692 | 29.64 | 42.8 | 40.3 | 38 | 81 | .228 | 52.7 | 42.8 | W | 10 | | | .03 | 10 | St | W | Cloudy | | CWD | 26 |
| 27 | 68.0 | 29.300 | .113 | 29.187 | 30.13 | 33.0 | 30.7 | 27 | 78 | .143 | 37.0 | 32.7 | W | 8 | | | 0 | 10 | St | W | Cloudy | | CWD | 27 |
| 28 | 71.0 | 29.556 | .122 | 29.434 | 30.39 | 33.8 | 30.8 | 27 | 72 | .143 | 35.9 | 32.6 | E | 4 | | | 0 | 10 | StCu | E | Cloudy | | CWD | 28 |
| 29 | 70.0 | 29.355 | .119 | 29.236 | 30.19 | 27.5 | 26.0 | 24 | 82 | .124 | 32.0 | 26.4 | E | 7 | | | 0 | 10 | St. | E | Cloudy | | CWD | 29 |
| 30 | 75.0 | 28.936 | .131 | 28.805 | 29.73 | 37.2 | 36.6 | 36 | 94 | .211 | 49.6 | 37.2 | SW | 18 | 26 | SW | .10 | 10 | Nb. | SW | Lt. rain | | C.M.W. | 30 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | 31 |
| Sums | (a) | (a) | | 875.138 | 903.44 | 1084.8 | 1036.4 | 971 | 2564 | 5.552 | (a) | (a) | (a) | 232 | (a) | (a) | 1.09 | 176 | (a) | (a) | (a) | | (a) | (a) |
| Means | (a) | (a) | | 29.171 | 30.115 | 36.2 | 34.5 | 32.4 | 85.5 | .185 | (a) | (a) | (c) E | 7.7 | (a) | (a) | (a) | 5.9 | U Cu. St. L St. | U NW L E | (a) | | (a) | (a) |

Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

U, upper clouds. L, lower clouds.

8—154

*ORIGINAL MONTHLY RECORD OF OBSERVATIONS at* [illegible], *for the Month of* [illegible], 1923.

*Number of Station barometer,* 656; *sum of corrections,* -.009 *inch.*

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 P. M. 90TH MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 P. M. LOCAL MEAN TIME.

| Date. | Barometer: Attached thermometer. | Barometer: Observed reading. | Barometer: Total correction. | Barometer: Station. (Observed reading plus total cor.) (b) | Barometer: Reduced to sea-level. (b) | Thermometers: Dry. (b) | Thermometers: Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-reg. ther's: Max. (b) | Self-reg. ther's: Min. (b) | Wind: Dir. | Wind: Velocity. (b) † | Wind: Max. during preceding 12 hours. | Wind: Dir. | Precipitation. Amt. at 8 p.m. (b) †† | Clouds: Amt. | Clouds: Kind. | Clouds: Dir. from. | State of Weather. | Fog, Mid. to Mid. (local standard time). Light. (f) | Fog, Mid. to Mid. (local standard time). Dense. (f) | Initials of observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | | |
| 1 | 75.0 | 29.606 | .133 | 29.473 | 30.43 | 42.0 | 35.0 | 25 | 48 | .130 | 48.3 | 30.4 | SE | 6 | | | 0 | 0 | 0 | 0 | Clear | | | | 1 |
| 2 | 73.0 | 29.491 | .127 | 29.364 | 30.31 | 47.2 | 41.8 | 35 | 64 | .203 | 52.9 | 33.5 | SE | 2 | | | 0 | 0 | 0 | 0 | Clear | | | | 2 |
| 3 | 73.0 | 29.305 | .126 | 29.179 | 30.12 | 46.8 | 42.8 | 39 | 73 | .237 | 53.1 | 32.8 | E | 5 | | | .01 | 10 | Nb | E | Lt. Rain | | | | 3 |
| 4 | 76.5 | 29.136 | .135 | 29.001 | 29.94 | 45.0 | 44.0 | 43 | 93 | .277 | 47.0 | 43.7 | N | 8 | | | .33 | 10 | St | N | Cloudy | | | | 4 |
| 5 | 76.0 | 29.274 | .134 | 29.140 | 30.08 | 44.8 | 42.0 | 39 | 80 | .237 | 45.2 | 43.0 | N | 7 | | | 0 | 10 | St | N | Cloudy | | | | 5 |
| 6 | 74.0 | 29.033 | .128 | 28.905 | 29.84 | 44.0 | 39.0 | 32 | 64 | .180 | 49.0 | 40.0 | W | 7 | | | 0 | 2 | Cu | NW | Clear | | | | 6 |
| 7 | 75.0 | 29.197 | .132 | 29.065 | 30.00 | 38.1 | 35.3 | 32 | 77 | .180 | 46.2 | 38.1 | NW | 15 | 26 | NW | T | 10 | StCu | NW | Cloudy | | | | 7 |
| 8 | 76.0 | 29.460 | .135 | 29.325 | 30.28 | 33.2 | 29.2 | 22 | 61 | .113 | 34.7 | 30.0 | N | 4 | | | 0 | 9 | StCu | NW | Cloudy | | | | 8 |
| 9 | 76.0 | 29.476 | .136 | 29.340 | 30.29 | 39.7 | 34.2 | 26 | 57 | .136 | 47.2 | 27.6 | SW | 12 | | | 0 | 0 | 0 | 0 | Clear | | | | 9 |
| 10 | 76.0 | 29.329 | .134 | 29.195 | 30.13 | 52.0 | 46.0 | 40 | 63 | .247 | 61.0 | 35.0 | SW | 15 | 25 | SW | 0 | 0 | 0 | 0 | Clear | | | | 10 |
| 11 | 80.5 | 29.536 | .147 | 29.389 | 30.34 | 48.4 | 41.4 | 33 | 54 | .187 | 56.9 | 40.0 | NE | 5 | | | 0 | 0 | 0 | 0 | Clear | | | | 11 |
| 12 | 75.0 | 29.604 | .133 | 29.471 | 30.43 | 43.2 | 39.8 | 36 | 75 | .203 | 51.2 | 31.4 | E | 12 | | | 0 | 0 | 0 | 0 | Clear | B-8:50a E-8:58p | E-8:39a | | 12 |
| 13 | 73.0 | 29.502 | .127 | 29.375 | 30.33 | 46.5 | 44.1 | 42 | 83 | .266 | 54.8 | 34.8 | E | 10 | | | 0 | 0 | 0 | 0 | Clear | B-10:18a E-4:38p | B-DNA E-10:15p | | 13 |
| 14 | 76.5 | 29.356 | .136 | 29.220 | 30.16 | 48.0 | 45.5 | 43 | 83 | .277 | 49.2 | 35.0 | SE | — | | | 0 | 10 | St | SE | Cloudy | B-11:40a E-2:40p @ 6:00pm E 7:40 pm | B-Contld E-11:50a | | 14 |
| 15 | 73.0 | 29.173 | .126 | 29.047 | 29.99 | 49.0 | 48.5 | 48 | 96 | .334 | 50.2 | 43.8 | SW | 2 | | | .12 | 10 10 | St Fog | SW SW | Cloudy | | | | 15 |
| 16 | 72.0 | 29.172 | .124 | 29.048 | 29.99 | 39.2 | 36.7 | 36 | 95 | .211 | 43.0 | 37.2 | NW | 14 | | | .01 | 10 | Nb | NW | Lt. Rain | | | | 16 |
| 17 | 73.6 | 29.041 | .127 | 28.914 | 29.86 | 40.0 | 36.6 | 32 | 73 | .180 | 43.8 | 34.9 | SW | 23 | | | 0 | 7 | ASt | W | Pt. Cloudy | | | | 17 |
| 18 | 73.5 | 29.090 | .127 | 28.963 | 29.90 | 43.6 | 38.9 | 33 | 66 | .187 | 52.0 | 37.0 | N | 7 | | | 0 | 9 | StCu | NW | Cloudy | | | | 18 |
| 19 | 74.0 | 29.289 | .129 | 29.160 | 30.10 | 41.1 | 37.0 | 32 | 68 | .180 | 45.4 | 28.0 | S | 7 | | | 0 | 0 | 0 | 0 | Clear | | | | 19 |
| 20 | 74.0 | 29.058 | .128 | 28.930 | 29.86 | 51.0 | 44.0 | 36 | 57 | .211 | 58.3 | 34.2 | S | 15 | 26 | S | 0 | 0 | 0 | 0 | Clear | | | | 20 |
| 21 | 74.0 | 29.317 | .129 | 29.188 | 30.12 | 45.0 | 41.0 | 36 | 71 | .211 | 58.2 | 45.0 | NW | 11 | | | 0 | 7 | AST | W | Pt. Cloudy | | | | 21 |
| 22 | 76.5 | 29.393 | .136 | 29.257 | 30.21 | 37.2 | 33.8 | 29 | 71 | .157 | 42.0 | 33.0 | E | 7 | | | 0 | 10 | AST | W | Cloudy | | | | 22 |
| 23 | 71.5 | 29.119 | .121 | 28.998 | 29.94 | 39.1 | 38.9 | 39 | 98 | .237 | 41.0 | 36.2 | W | 14 | | | .03 | 10 | St | W | Cloudy | B-4:30a E-7:15p B-8:15p | B-11:05p E-11:59p | | 23 |
| 24 | 74.0 | 29.236 | .129 | 29.107 | 30.06 | 39.8 | 36.3 | 32 | 72 | .180 | 46.1 | 33.6 | SW | 4 | | | 0 | 9 | Cu | SW | Cloudy | | | | 24 |
| 25 | 75.0 | 28.837 | .130 | 28.707 | 29.63 | 52.0 | 47.0 | 42 | 69 | .266 | 63.9 | 37.0 | S | 16 | | | 0 | 10 | StCu | S | Cloudy | | | | 25 |
| 26 | 72.0 | 29.068 | .123 | 28.945 | 29.88 | 37.0 | 33.6 | 28 | 70 | .150 | 42.8 | 35.7 | W | 11 | | | 0 | 10 | StCu | NW | Cloudy | | | | 26 |
| 27 | 75.0 | 29.513 | .133 | 29.380 | 30.34 | 36.3 | 32.8 | 29 | 77 | .157 | 36.1 | 33.0 | W | 5 | | | 0 | 10 | St | W | Cloudy | | | | 27 |
| 28 | 76.0 | 29.473 | .135 | 29.338 | 30.29 | 32.0 | 29.8 | 27 | 77 | .143 | 36.6 | 32.0 | E | 5 | | | 0 | 3 | St | E | Clear | | | | 28 |
| 29 | 75.0 | 28.940 | .131 | 28.809 | 29.75 | 37.9 | 36.9 | 36 | 91 | .211 | 37.9 | 27.5 | E | 12 | | | .42 | 10 | Nb | E | Lt. Rain | | | | 29 |
| 30 | 78.0 | 29.282 | .140 | 29.142 | 30.08 | 38.8 | 38.2 | 38 | 95 | .228 | 38.8 | 34.8 | SW | 6 | | | .05 | 10 | St | SW | Cloudy | | | | 30 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 31 |
| Sums | | (a) | (a) | 874.375 | 902.68 | 1274.9 | 1170 | 1039 | 2221 | 6.116 | (a) | (a) | (a) | 268 | (a) | (a) | 0.97 | 186 | (a) | (a) | (a) | 5 | 4 | (a) | (a) |
| Means | | (a) | (a) | 29.146 | 30.089 | 42.5 | 39.0 | 34.6 | 74.0 | .204 | (a) | (a) | (c) E SW | 8.9 | (a) | (a) | (a) | 6.2 | U AST L St. | U W L NW | (a) | (a) | (a) | (a) | (a) |

Observations are begun about 7.40 o'clock, 75th meridian time.

†By dial when self-register is out of order. ††T indicates trace of precipitation. U, upper clouds. L, lower clouds.

A—154

# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of November, 1923

| Date. | TEMPERATURE. Maximum. (b) | Minimum. (b) | Range. (b) | Change. (b) | Mean (max. and min.). (b) | Normal. | Departure. | Total excess or deficiency since 1st of month. | PRECIPITATION. Character. ‡ | Beginning. | Ending. | Character. ‡ | Beginning. | Ending. | Character. ‡ | Beginning. | Ending. | Character. ‡ | Beginning. | Ending. | Total (mid. to mid.). (b) †† | Normal. | Departure. | Total excess or deficiency since 1st of month. | Hail and sleet unmelted. p.m. to p.m. *‡‡ | Snow unmelted. p.m. to p.m. *‡‡ | Hail, sleet, and snow on ground at p.m. *‡‡ | Amount of precipitation from melted snow (mid. to mid.). | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | | | | | | | | | | | | | | | | In. | | | | In. | In. | In. | In. | |
| 1 | 48 | 29 | 19 | 4 | 38 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 1 |
| 2 | 53 | 34 | 19 | 6 | 44 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 2 |
| 3 | 53 | 33 | 20 | 1 | 43 | | | | R | 4:00p | 8:55p | | | | | | | | | | .01 | | | | 0 | 0 | 0 | 0 | 3 |
| 4 | 47 | 43 | 4 | 2 | 45 | | | | R | DNA | 6:30p | R | 6:58p | 7:30p | R | 10:20p | Cont'd | | | | .68 | | | | 0 | 0 | 0 | 0 | 4 |
| 5 | 45 | 42 | 3 | 1 | 44 | | | | R | Cont'd | DNA | | | | | | | | | | .05 | | | | 0 | 0 | 0 | 0 | 5 |
| 6 | 49 | 40 | 9 | 0 | 44 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 6 |
| 7 | 46 | 34 | 12 | 4 | 40 | | | | R | DNA | DNA | R | 10:30a | 10:50a | S^sl | 3:10p | 3:16p | | | | T | | | | T | T | 0 | T | 7 |
| 8 | 35 | 30 | 5 | 8 | 32 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 8 |
| 9 | 47 | 27 | 20 | 5 | 37 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 9 |
| 10 | 61 | 34 | 27 | 11 | 48 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 10 |
| 11 | 57 | 38 | 19 | 0 | 48 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 11 |
| 12 | 51 | 31 | 20 | 7 | 41 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 12 |
| 13 | 55 | 33 | 22 | 3 | 44 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 13 |
| 14 | 49 | 35 | 14 | 2 | 42 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 14 |
| 15 | 50 | 44 | 6 | 5 | 47 | | | | R | DNA | 2:30p | R | 7:12p | 9:45p | | | | | | | .52 | | | | 0 | 0 | 0 | 0 | 15 |
| 16 | 46 | 32 | 14 | 8 | 39 | | | | R | DNA | DNA | R | 8:46a | 9:21a | R | 11:38a | 2:00p | R | 5:32p | 8:04p | .05 | | | | 0 | 0 | 0 | 0 | 16 |
| 17 | 44 | 31 | 13 | 1 | 38 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 17 |
| 18 | 52 | 35 | 17 | 6 | 44 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 18 |
| 19 | 45 | 27 | 18 | 8 | 36 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 19 |
| 20 | 58 | 34 | 24 | 10 | 46 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 20 |
| 21 | 58 | 39 | 19 | 2 | 48 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 21 |
| 22 | 42 | 33 | 9 | 10 | 38 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 22 |
| 23 | 41 | 35 | 6 | 0 | 38 | | | | R | DNA | 6:15a | R | 8:46a | 4:30p | R | 5:10p | 6:15p | | | | .13 | | | | 0 | 0 | 0 | 0 | 23 |
| 24 | 45 | 32 | 13 | 0 | 38 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 24 |
| 25 | 54 | 37 | 17 | 8 | 46 | | | | R | 2:03p | 2:15p | R | 8:10p | 8:31p | R | 10:57p | Cont'd | | | | T | | | | 0 | 0 | 0 | 0 | 25 |
| 26 | 50 | 35 | 15 | 4 | 42 | | | | R | Cont'd | DNA | | | | | | | | | | .05 | | | | 0 | 0 | 0 | 0 | 26 |
| 27 | 36 | 33 | 3 | 8 | 34 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 27 |
| 28 | 37 | 29 | 8 | 1 | 33 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 28 |
| 29 | 49 | 26 | 23 | 5 | 38 | | | | R | 11:19a | Cont'd | | | | | | | | | | .47 | | | | 0 | 0 | 0 | 0 | 29 |
| 30 | 50 | 35 | 15 | 4 | 42 | | | | R | Cont'd | 7:40a | RW^m | 9:40a | 9:45a | R | 2:15p | 2:38p | R | 7:53p | 8:05p | .10 | | | | 0 | T | 0 | T | 30 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 31 |
| S | 1453 | 1020 | 433 | 184 | 1237 | | Total excess or deficiency since January 1, | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | 2.06 | | Total excess or deficiency since January 1, | | T | T | (a) | (a) | (a) |
| M | 48.4 | 34.0 | 14.4 | 4.5 | 41.2 | (a) | | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | | | (a) | (a) | (a) | (a) | (a) |

All data are in the standard of time in local use. ‡Use the following abbreviations: R—rain, S^d—dry snow, S^m—moist snow, H—hail, Sl—sleet. ††T indicates trace of precipitation. ‡‡Enter the local standard time of observation. *Inches and tenths.



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# SUMMARY FOR THE MONTH OF November, 1923.

The 8 a.m. and 8 p.m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

## PRESSURE.

(Correction to reduce to a 24-hour mean -.007)

### STATION.

| Mean. 8 a.m. | Mean. 8 p.m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 29.171 | 29.146 | 29.158 | 29.540 | 1 | 28.670 | 26 | 0.870 |
| Corrected mean | | 29.151 | | | | | |

### REDUCED.

| Mean. 8 a.m. | Mean. 8 p.m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 30.115 | 30.089 | 30.102 | 30.50 | 1 | 29.60 | 26 | 0.90 |
| Corrected mean | | 30.095 | | | | | |

## TEMPERATURE.

### MEAN.

| Dry. 8 a.m. | Dry. 8 p.m. | Dry. (8+8)÷2 (g) | Wet. 8 a.m. | Wet. 8 p.m. | Wet. Monthly. (g) | Max. | Min. | Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 36.2 | 42.5 | 39.4 | 34.5 | 39.0 | 36.8 | 48.4 | 34.0 | 41.2 |

| Highest. (i) | Date. (i) | Lowest. (i) | Date. (i) | Absolute range. | Greatest daily range. (i) | Date. (i) | Least daily range. (i) | Date. (i) |
|---|---|---|---|---|---|---|---|---|
| 61 | 10 | 26 | 29 | 35 | 27 | 10 | 3 | 5 |

| Dew-point. 8 a.m. | Dew-point. 8 p.m. | Dew-point. Monthly. (g) | Relative Humidity. 8 a.m. | Relative Humidity. 8 p.m. | Relative Humidity. Monthly. (g) | Vapor Pressure. 8 a.m. | Vapor Pressure. 8 p.m. | Vapor Pressure. Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 32.4 | 34.6 | 33.5 | 85.5 | 74.0 | 79.8 | .185 | .204 | .194 |

| Number of days with—(j) Maximum. 32° or below. | 90° or above. | Minimum. 32° or below. | Zero or below. |
|---|---|---|---|
| 0 | 0 | 9 | 0 |

**CLOUDS.**

Most frequent clouds Stratus

Most frequent direction upper clouds NW

Most frequent direction lower clouds NW

## WIND.

| Total movement (mid. to mid.). | Average hourly velocity. | Prevailing direction. (p) | Maximum velocity. (r) | Direction. (r) | Date. (r) |
|---|---|---|---|---|---|
| 6039 | 8.4 | SW | 26 | NW | 16 |

| Number of Times Wind Observed from the— N. | NE. | E. | SE. | S. | SW. | W. | NW. | Calm. |
|---|---|---|---|---|---|---|---|---|
| 8 | 2 | 14 | 5 | 6 | 11 | 8 | 6 | 0 |

## WEATHER.

| Mean Cloudiness. 8 a.m. | 8 p.m. | Monthly. (t) | Sunshine. Percentage of possible. | Number of Days. Clear. | Partly cloudy. | Cloudy. | Number of Days with Precipitation (Mid. to Mid.). Clear. (u) | Partly cloudy. (u) | Cloudy. (u) |
|---|---|---|---|---|---|---|---|---|---|
| 5.9 | 6.2 | 6.5 | 39 | 8 | 7 | 15 | 0 | 0 | 9 |

## MISCELLANEOUS PHENOMENA.

Dates of—(midnight to midnight).

| Frosts. Light. | Heavy. | Killing. | Thunderstorms. (v) | Winds. (40 miles or over.) | Solar Halos. | Lunar Halos. | Fog. Light. | Fog. Dense. | Haze. Light. | Haze. Dense. | Smoke. Light. | Smoke. Dense. | Hail. | Aurora. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| – | – | – | 9 | 0 | 22 | 21 | 12,13,14, 15,23 | 12,13,14, 23 | 0 | 0 | 1 | 0 | 0 | 0 |

## PRECIPITATION (in inches and hundredths). (m)

| Total amount. | Greatest amount in 24 consecutive hours. Amt. | Date. (k) | Excessive. 2.50 inches in 24 hours. (l) * Amt. | Duration. h. m. | Date. (k) | 1 inch per hour. (l) Amt. | Duration. h. m. | Date. (k) |
|---|---|---|---|---|---|---|---|---|
| 2.06 | 0.72 | 4"-5" | 0 | | | 0 | | |

| Number of days with—(Mid. to Mid.). Trace. | .01 or more. | .04 or more. | .25 or more. | 1.00 or more. | Total. | Snow. Trace or more. | Snow. .01 or more melted. | Snow. Total Depth. (o) | Average Depth at End of Month. |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 9 | 8 | 3 | 0 | 11 | 2 | 0 | T | 0 |

(w) Maximum precipitation in 5 minutes 0.05, date 15"; 10 minutes 0.07, date 15"; 15 minutes 0.08, date 15"; 30 minutes 0.12, date 15"; 1 hour 0.21, date 15"; 2 hours 0.32, date 15".

## EXCESSIVE.

| Date. | Total Duration. From— | To— | Total amount of precipitation. | Excessive Rate. Began— | Ended— | Amt. before excessive began. |
|---|---|---|---|---|---|---|
| None during month. | | | | | | |

| Accumulated Depths During Excessive Rate for Consecutive Periods of Time Indicated Below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

* The duration is the time precipitation was actually recorded.

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Prepared by CCS

C. M. Denzyck, Meteorologist, Weather Bureau.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of November, 1923.

Number of Station barometer, 6356; sum of corrections, −.009 inch.

| Date. | Special Observations. Time. 75th mer. | Time. Local (standard). | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) | Barometer. Reduced to sea-level. | Thermometers. Dry. | Thermometers. Wet. | Dew-point. | Depression of the dew-point. | Relative humidity. | Maximum thermometer. | Wind. Direction. | Wind. Velocity. † | Wind. Max. since last observation. | Wind. Direction. | Precipitation. †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Special Phenomena. | Initials of Observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Extremes of Pressure | | | | | | | | | | | | | | | | | | | |
| 1" | 9 00 a.m. | 8 00 a.m. | | | | 29.540 (HIGHEST) | 30.50 | 34.0 | | | | | | | | | | | | | | | | | 1 |
| 26" | 6 45 a.m. | 5 45 a.m. | | | | 28.670 LOWEST. | 29.60 | 45.0 | | | | | | | | | | | | | | | | | 26 |

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation.

8.—15

*ORIGINAL MONTHLY RECORD OF OBSERVATIONS at* Fort Wayne, Ind., *for the Month of* NOV - 1923, *192*

*Wind—Number of Miles and Length of Time From.* (*Standard of time in local use,* 90 *meridian.*)

| DATE. | N. | | NE. | | E. | | SE. | | S. | | SW. | | W. | | NW. | | CALM. | | TOTAL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. |
| 1 | | | | | | | 36 | 6 | 57 | 8 | 16 | 2 | 18 | 8 | | | | | 127 | 24 |
| 2 | | | | | | | 71 | 16 | 34 | 8 | | | | | | | | | 105 | 24 |
| 3 | | | | | 87 | 16 | 20 | 6 | 3 | 1 | | | | | | | | | 110 | 24 |
| 4 | 80 | 10 | 4 | 1 | 95 | 13 | | | | | | | | | | | | | 179 | 24 |
| 5 | 198 | 23 | 6 | 1 | | | | | | | | | | | | | | | 204 | 24 |
| 6 | 63 | 10 | | | | | | | | | 49 | 5 | 13 | 2 | 55 | 7 | | | 180 | 24 |
| 7 | 25 | 2 | | | | | | | | | 8 | 1 | 16 | 2 | 249 | 19 | | | 298 | 24 |
| 8 | 194 | 21 | | | | | | | | | 13 | 3 | | | | | | | 207 | 24 |
| 9 | | | | | | | | | | | 219 | 23 | 14 | 1 | | | | | 233 | 24 |
| 10 | | | | | | | | | | | 321 | 23 | 6 | 1 | | | | | 327 | 24 |
| 11 | 19 | 3 | 93 | 14 | 13 | 2 | | | | | 6 | 1 | 12 | 3 | 4 | 1 | | | 147 | 24 |
| 12 | | | | | 140 | 22 | 14 | 2 | | | | | | | | | | | 154 | 24 |
| 13 | | | 7 | 1 | 160 | 22 | 4 | 1 | | | | | | | | | | | 171 | 24 |
| 14 | | | | | 41 | 7 | 54 | 17 | | | | | | | | | | | 95 | 24 |
| 15 | | | | | | | 10 | 5 | 13 | 4 | 79 | 15 | | | | | | | 102 | 24 |
| 16 | | | | | | | | | | | 14 | 3 | 25 | 3 | 267 | 18 | | | 306 | 24 |
| 17 | | | | | | | | | | | 197 | 12 | 64 | 6 | 46 | 6 | | | 307 | 24 |
| 18 | 55 | 8 | 16 | 3 | | | | | | | 63 | 5 | 47 | 6 | 18 | 2 | | | 199 | 24 |
| 19 | | | 34 | 7 | 9 | 2 | 2 | 1 | 74 | 11 | 17 | 3 | | | | | | | 136 | 24 |
| 20 | | | | | | | | | 254 | 18 | 93 | 6 | | | | | | | 347 | 24 |
| 21 | | | | | | | | | | | 166 | 11 | 36 | 3 | 83 | 10 | | | 285 | 24 |
| 22 | 20 | 5 | | | 117 | 15 | | | | | | | | | 17 | 4 | | | 154 | 24 |
| 23 | | | 12 | 2 | 46 | 9 | | | 4 | 1 | | | 85 | 7 | 61 | 5 | | | 208 | 24 |
| 24 | 21 | 3 | | | | | | | 22 | 3 | 55 | 10 | 16 | 3 | 23 | 5 | | | 137 | 24 |
| 25 | | | | | | | 6 | 1 | 221 | 19 | 37 | 3 | 9 | 1 | | | | | 273 | 24 |
| 26 | | | | | | | | | | | 21 | 2 | 253 | 21 | 17 | 1 | | | 191 | 24 |
| 27 | | | | | | | | | | | | | 169 | 23 | 4 | 1 | | | 173 | 24 |
| 28 | 8 | 2 | 17 | 4 | 35 | 8 | 15 | 4 | 20 | 5 | | | | | 4 | 1 | | | 99 | 24 |
| 29 | | | | | 167 | 19 | 22 | 4 | 8 | 1 | | | | | | | | | 197 | 24 |
| 30 | | | | | | | | | | | 249 | 19 | 39 | 5 | | | | | 288 | 24 |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Sum. | 683 | 87 | 189 | 33 | 910 | 136 | 254 | 63 | 716 | 79 | 1623 | 147 | 822 | 95 | 848 | 80 | 0 | 0 | 6039 | 720 |
| Percentage | 11 | 12 | 3 | 5 | 15 | 19 | 4 | 9 | 12 | 11 | 27 | 20 | 14 | 13 | 14 | 11 | 0 | 0 | a | a |
| Avg. Hourly Velocity | 7.9 | a | 5.7 | a | 6.7 | a | 4.0 | a | 9.0 | a | 11.0 | a | 8.7 | a | 10.6 | a | 0 | a | 8.4 | a |

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Form No. 1001—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE,

## WEATHER BUREAU.

# ORIGINAL MONTHLY RECORD

## OF

# OBSERVATIONS

## AT

Fort Wayne, Ind.

## *For the Month of* ~~November~~ December, 1913.

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, 6946; No. of wet thermometer in use, 7731; No. of maximum thermometer in use, 18656; No. of minimum thermometer in use, 14577

†Elevation above ground of the dry thermometer, 113 feet; rain gage, 107 feet; anemometer, 124 feet.

If the office has been moved during the month, give date —; amount of change in height of barometer, — feet (higher or lower).

No. of extra barometer, 675; sum of corrections, −.007; date and observation upon which use of station barometer commenced, May 20, 1911 7 a.m., station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Corner of Berry and Calhoun street, room 1911-912 Shoaff Building; first observation taken in present office, 7:00 a. m. May 20, 1911

*Cancel words that are not appropriate.

†To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months.

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*ORIGINAL MONTHLY RECORD OF OBSERVATIONS at* Fort Wayne, Ind., *for the Month of* ~~October~~ December, 1923.

*Number of Station barometer,* 656; *sum of corrections,* +.009 *inch.*

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 A. M. 90th MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 A. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-reg. ther's. Max. (b) | Self-reg. ther's. Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 a. m. (b) †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Initials of observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | |
| 1 | 73.0 | 29.541 | .127 | 29.414 | 30.36 | 39.1 | 38.3 | 38 | 94 | .228 | 39.8 | 38.1 | SW | 4 | | | T | 10 3 | St Lt. Fog | SW SW | Cloudy | | 1 |
| 2 | 69.0 | 29.300 | .116 | 29.184 | 30.11 | 46.0 | 44.5 | 43 | 89 | .277 | 46.0 | 39.0 | W | 7 | | | 0 | 10 | St Cu | W | Cloudy | | 2 |
| 3 | 70.0 | 29.285 | .119 | 29.166 | 30.11 | 39.8 | 39.8 | 39 | 89 | .257 | 45.7 | 39.8 | S | 8 | | | 0 | 10 | St | S | Cloudy | | 3 |
| 4 | 72.0 | 29.057 | .123 | 28.934 | 29.87 | 38.8 | 38.2 | 38 | 95 | .228 | 44.0 | 38.8 | NE | 8 | | | .27 | 10 | Nb | NE | Lt. Rain | | 4 |
| 5 | 72.0 | 28.826 | .122 | 28.704 | 29.63 | 38.0 | 37.5 | 37 | 96 | .219 | 38.5 | 37.0 | NE | 18 | | | .27 | 10 | Nb | NE | Lt. Rain | | 5 |
| 6 | 71.0 | 28.802 | .119 | 28.683 | 29.62 | 35.6 | 35.2 | 35 | 96 | .203 | 38.4 | 35.0 | NW | 14 | | | T | 10 | St Cu | NW | Cloudy | | 6 |
| 7 | 68.0 | 29.029 | .112 | 28.917 | 29.87 | 32.2 | 30.7 | 28 | 85 | .150 | 38.0 | 32.0 | S | 14 | | | 0 | 4 | ASt | NW | Pt. Cloudy | | 7 |
| 8 | 71.0 | 28.876 | .120 | 28.756 | 29.68 | 50.2 | 47.9 | 46 | 85 | .310 | 53.2 | 47.0 | SW | 15 | 26 | S | T | 10 | St Cu | W | Cloudy | | 8 |
| 9 | 69.0 | 29.235 | .116 | 29.119 | 30.06 | 43.0 | 42.5 | 42 | 96 | .266 | 47.0 | 43.0 | NE | 8 | | | .02 | 9 | ASt | W | Cloudy | | 9 |
| 10 | 73.0 | 29.482 | .127 | 29.355 | 30.31 | 41.1 | 40.3 | 40 | 94 | .247 | 44.3 | 40.3 | NE | 5 | | | 0 | 10 | St | N | Cloudy | | 10 |
| 11 | 72.5 | 29.740 | .127 | 29.613 | 30.57 | 28.9 | 28.0 | 26 | 90 | .136 | 41.0 | 28.9 | NW | 5 | | | 0 | 2 | Cu | W | Clear | | 11 |
| 12 | 71.0 | 29.341 | .121 | 29.220 | 30.16 | 33.0 | 31.5 | 29 | 85 | .157 | 37.6 | 32.0 | S | 7 | | | 0 | 6 | ACu | W | Pt. Cloudy | | 12 |
| 13 | 71.0 | 28.999 | .120 | 28.879 | 29.82 | 33.0 | 33.0 | 33 | 100 | .187 | 56.0 | 33.0 | NW | 12 | 31 | SW | .88 | 10 | Nb | NW | Lt. Snow | | 13 |
| 14 | 69.0 | 29.736 | .118 | 29.618 | 30.59 | 21.0 | 20.0 | 18 | 86 | .093 | 27.0 | 20.6 | SW | 7 | | | T | 0 | 0 | 0 | Clear | | 14 |
| 15 | 66.0 | 29.786 | .110 | 29.676 | 30.66 | 24.0 | 22.4 | 19 | 80 | .098 | 29.8 | 24.0 | S | 11 | | | 0 | 7 | AST | NW | Pt. Cloudy | | 15 |
| 16 | 65.5 | 29.583 | .107 | 29.476 | 30.44 | 28.0 | 26.0 | 22 | 77 | .113 | 34.0 | 28.0 | SW | 14 | | | 0 | 0 | 0 | 0 | Clear | | 16 |
| 17 | 66.0 | 29.635 | .109 | 29.526 | 30.49 | 32.8 | 30.6 | 27 | 78 | .143 | 41.0 | 32.0 | NE | 3 | | | 0 | 7 | AST | NW | Pt. Cloudy | | 17 |
| 18 | 68.0 | 29.561 | .114 | 29.447 | 30.41 | 32.0 | 30.0 | 27 | 79 | .143 | 38.0 | 30.3 | S | 3 | | | 0 | 3 | Ci St | NW | Clear | | 18 |
| 19 | 70.0 | 29.481 | .119 | 29.362 | 30.31 | 39.8 | 35.2 | 29 | 63 | .157 | 45.2 | 36.1 | SW | 9 | | | 0 | 9 | AST | NW | Cloudy | | 19 |
| 20 | 72.0 | 29.355 | .124 | 29.231 | 30.16 | 50.0 | 50.0 | 50 | 100 | .360 | 50.0 | 46.1 | SW | 6 | | | .31 | 10 | Nb | SW | Sprinkling | | 20 |
| 21 | 74.5 | 29.430 | .131 | 29.299 | 30.24 | 46.8 | 46.8 | 47 | 100 | .322 | 52.4 | 46.8 | NE | 5 | | | .01 | 10 | Dense Fog | NE | Foggy | | 21 |
| 22 | 71.5 | 29.263 | .122 | 29.141 | 30.08 | 42.7 | 41.4 | 41 | 94 | .256 | 46.6 | 42.7 | NE | 7 | | | .13 | 10 | St | NE | Cloudy | | 22 |
| 23 | 70.0 | 28.941 | .118 | 28.823 | 29.75 | 38.7 | 38.7 | 39 | 100 | .237 | 40.8 | 38.7 | N | 7 | | | .32 | 10 | Nb | N | Lt. Rain | | 23 |
| 24 | 73.0 | 29.287 | .126 | 29.161 | 30.11 | 27.0 | 26.0 | 24 | 88 | .124 | 34.0 | 27.0 | W | 5 | | | 0 | 0 | 0 | 0 | Clear | | 24 |
| 25 | 66.0 | 28.931 | .107 | 28.824 | 29.76 | 33.0 | 32.8 | 33 | 98 | .187 | 35.7 | 31.7 | SW | 13 | | | .08 | 10 | Nb | SW | Lt. Snow | | 25 |
| 26 | 66.5 | 29.299 | .109 | 29.190 | 30.14 | 30.3 | 29.4 | 28 | 90 | .130 | 34.0 | 29.1 | SW | 7 | | | 0 | 9 | AST | NW | Cloudy | | 26 |
| 27 | 72.0 | 28.946 | .123 | 28.823 | 29.75 | 39.0 | 39.0 | 39 | 100 | .237 | 40.4 | 36.3 | SE | 5 | | | .02 | 10 7 | St Lt. Fog | SE SE | Cloudy | | 27 |
| 28 | 68.0 | 28.887 | .112 | 28.775 | 29.71 | 27.1 | 24.8 | 20 | 72 | .103 | 55.0 | 27.1 | W | 23 | 34 | W | T | 10 | St Cu | NW | Cloudy | | 28 |
| 29 | 70.0 | 28.935 | .118 | 28.817 | 29.76 | 30.8 | 29.3 | 27 | 84 | .143 | 32.8 | 28.3 | SW | 11 | | | 0 | 6 | Cu | NW | Pt. Cloudy | | 29 |
| 30 | 72.0 | 28.936 | .123 | 28.813 | 29.74 | 35.0 | 34.0 | 33 | 91 | .187 | 40.0 | 35.0 | E | 15 | | | 0 | 10 | St | E | Cloudy | | 30 |
| 31 | 69.0 | 28.736 | .114 | 28.622 | 29.54 | 39.2 | 38.7 | 38 | 96 | .228 | 39.8 | 35.0 | SW | 12 | | | T | 10 | St Cu | W | Cloudy | | 31 |
| Sums | | (a) | (a) | 902.568 | 931.81 | 1106.9 | 1073.0 | 1025 | 2770 | 6.046 | (a) | (a) | (a) | 292 | (a) | (a) | 2.31 | 232 | (a) | (a) | (a) | | (a) | (a) |
| Means | | (a) | (a) | 29.115 | 30.058 | 35.7 | 34.6 | 33.1 | 89.4 | .195 | (a) | (a) | (c) SW | 9.4 | (a) | (a) | (a) | 7.5 | U a. st. L St + Nb | U NW L NE, Sw, var & NW | | (a) | (a) |

Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

U, upper clouds.

L, lower clouds.

8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at [illegible], for the Month of December, 1923.

Number of Station barometer, 6576; sum of corrections, -.009 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 P. M. 90° MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 21.9 P. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-reg.ther's. Max. (b) | Self-reg.ther's. Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 p. m. (b) †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Fog, Mid. to Mid. (local standard time). Light. (f) | Fog, Mid. to Mid. (local standard time). Dense. (f) | Initials of observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | In. | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | | |
| 1 | 75.0 | 29.490 | .133 | 29.357 | 30.31 | 40.0 | 39.0 | 38 | 92 | .228 | 48.8 | 39.1 | E | 4 | | | 0 | 5 | St | E | Pt. Cloudy | 8 DNA E-10:15a | | BMcL | 1 |
| 2 | 70.0 | 29.382 | .119 | 29.263 | 30.21 | 35.7 | 33.9 | 31 | 84 | .172 | 46.0 | 35.7 | NW | 4 | | | 0 | 4 | Cu | NW | Pt. Cloudy | | | CDS | 2 |
| 3 | 75.0 | 29.150 | .132 | 29.018 | 29.97 | 43.0 | 42.5 | 42 | 96 | .266 | 43.0 | 30.8 | SW | 6 | | | .21 | 10 | Nb | SW | Lt. Rain | 8-10:30a E-11:16a | 13-7:15a E-10:30a | BMcL | 3 |
| 4 | 77.5 | 28.892 | .137 | 28.755 | 29.69 | 38.5 | 38.0 | 38 | 96 | .228 | 38.8 | 37.3 | NE | 17 | | | .66 | 10 | Nb | NE | Lt. Rain | | | BMcL | 4 |
| 5 | 74.0 | 28.784 | .127 | 28.657 | 29.59 | 38.4 | 37.9 | 37 | 96 | .219 | 39.0 | 32.4 | N | 10 | | | .01 | 10 | St | N | Cloudy | | | BMcL | 5 |
| 6 | 72.0 | 29.004 | .123 | 28.881 | 29.83 | 38.0 | 36.2 | 33 | 85 | .187 | 40.8 | 35.6 | W | 8 | | | 0 | 7 | StCu | W | Pt. Cloudy | | | BMcL | 6 |
| 7 | 72.5 | 28.792 | .123 | 28.669 | 29.60 | 50.0 | 46.0 | 42 | 74 | .266 | 50.0 | 32.2 | S | 20 | 25 | S | 0 | 10 | St | S | Cloudy | | | BMcL | 7 |
| 8 | 72.0 | 29.042 | .123 | 28.919 | 29.85 | 47.0 | 46.7 | 46 | 98 | .310 | 55.0 | 42.0 | NE | 8 | | | .08 | 9 | StCu | N | Cloudy | | | BMcL | 8 |
| 9 | 73.0 | 29.345 | .126 | 29.219 | 30.15 | 44.3 | 42.8 | 41 | 89 | .256 | 46.0 | 42.3 | E | 12 | | | 0 | 10 | ASt | W | Cloudy | | | CDS | 9 |
| 10 | 76.0 | 29.632 | .136 | 29.496 | 30.45 | 41.0 | 40.0 | 39 | 92 | .237 | 47.0 | 40.8 | NW | 14 | | | T | 10 | St | NW | Cloudy | | | BMcL | 10 |
| 11 | 76.0 | 29.600 | .135 | 29.465 | 30.42 | 37.6 | 34.1 | 29 | 71 | .157 | 44.9 | 27.7 | SW | 10 | | | 0 | 0 | 0 | 0 | Clear | | | BMcL | 11 |
| 12 | 76.5 | 29.040 | .134 | 28.906 | 29.85 | 51.4 | 50.4 | 49 | 94 | .347 | 51.4 | 33.0 | S | 16 | | | .35 | 10 | Nb | SW | Lt. Rain | | | BMcL | 12 |
| 13 | 73.0 | 29.467 | .127 | 29.340 | 30.30 | 27.0 | 25.7 | 23 | 84 | .118 | 33.0 | 26.3 | NW | 14 | 25 | NW | .01 | 9 | StCu | NW | Lt. Snow | | | BMcL | 13 |
| 14 | 71.5 | 29.810 | .124 | 29.686 | 30.67 | 29.8 | 27.8 | 25 | 78 | .130 | 35.2 | 20.7 | S | 9 | | | 0 | 0 | 0 | 0 | Clear | | | BMcL | 14 |
| 15 | 71.5 | 29.628 | .124 | 29.504 | 30.46 | 34.0 | 31.9 | 29 | 80 | .157 | 36.7 | 24.0 | SW | 18 | | | 0 | 10 | StCu | SW | Cloudy | | | BMcL | 15 |
| 16 | 65.0 | 29.541 | .106 | 29.435 | 30.40 | 41.0 | 37.0 | 32 | 69 | .180 | 50.1 | 28.0 | W | 7 | | | 0 | 0 | 0 | 0 | Clear | | | CDS | 16 |
| 17 | 71.5 | 29.616 | .123 | 29.493 | 30.45 | 38.0 | 35.2 | 31 | 77 | .172 | 45.0 | 32.8 | SE | 4 | | | 0 | 7 | StCu | NW | Pt. Cloudy | | | BMcL | 17 |
| 18 | 73.5 | 29.486 | .129 | 29.357 | 30.31 | 45.2 | 39.8 | 33 | 62 | .187 | 51.0 | 32.0 | S | 5 | | | 0 | 0 | 0 | 0 | Clear | | | BMcL | 18 |
| 19 | 75.0 | 29.412 | .133 | 29.279 | 30.22 | 48.2 | 47.2 | 46 | 93 | .310 | 52.0 | 39.8 | S | 8 | | | T | 10 | StCu | S | Cloudy | | | BMcL | 19 |
| 20 | 76.0 | 29.418 | .133 | 29.285 | 30.22 | 52.4 | 52.4 | 52 | 100 | .387 | 54.0 | 50.0 | SW | 7 | | | T | 10<br>10 | St<br>Lt. Fog | SW<br>SW | Cloudy | 8 4:30p E [illegible] | | BMcL | 20 |
| 21 | 72.5 | 29.340 | .125 | 29.215 | 30.12 | 46.6 | 46.1 | 46 | 96 | .330 | 49.6 | 46.6 | NE | 9 | | | .10 | 10<br>10 | Nb<br>Lt. Fog | NE<br>NE | Lt. Rain | 8 DNA E-10:00a E-9:45a | 8 DNA E [illegible] | [illegible] | 21 |
| 22 | 75.0 | 29.086 | .131 | 28.955 | 29.90 | 40.8 | 40.3 | 40 | 96 | .247 | 45.0 | 40.2 | E | 7 | | | .01 | 10 | Nb | NE | Sprinkling | | | BMcL | 22 |
| 23 | 75.0 | 29.186 | .132 | 29.054 | 30.00 | 34.0 | 33.3 | 33 | 93 | .187 | 38.7 | 34.0 | N | 6 | | | .06 | 10 | StCu | N | Cloudy | | | CDS | 23 |
| 24 | 75.0 | 29.222 | .132 | 29.090 | 30.04 | 32.4 | 30.4 | 27 | 79 | .143 | 40.5 | 26.4 | SW | 12 | | | 0 | 4 | ASt | W | Pt. Cloudy | | | BMcL | 24 |
| 25 | 67.0 | 29.164 | .110 | 29.054 | 30.00 | 34.0 | 31.0 | 27 | 72 | .143 | 39.0 | 33.0 | W | 14 | 29 | W | T | 0 | 0 | 0 | Clear | | | CDS | 25 |
| 26 | 77.5 | 29.226 | .138 | 29.088 | 30.04 | 40.4 | 39.8 | 34 | 79 | .195 | 45.9 | 30.3 | SE | 4 | | | 0 | 10 | St | SE | Cloudy | | | BMcL | 26 |
| 27 | 75.5 | 28.614 | .130 | 28.484 | 29.40 | 55.0 | 54.0 | 53 | 94 | .402 | 56.0 | 39.0 | W | 8 | | | .19 | 10 | Nb | W | Lt. Rain | 8 DNA E [illegible] | 8 7:12a E [illegible] | BMcL | 27 |
| 28 | 74.5 | 28.950 | .129 | 28.821 | 29.76 | 31.2 | 28.7 | 24 | 74 | .124 | 34.4 | 26.0 | SW | 8 | | | 0 | 0 | 0 | 0 | Clear | | | BMcL | 28 |
| 29 | 77.0 | 29.096 | .136 | 28.960 | 29.91 | 40.0 | 37.3 | 34 | 78 | .195 | 42.6 | 30.8 | NW | 2 | | | 0 | 10 | St | NW | Cloudy | | | BMcL | 29 |
| 30 | 71.0 | 28.861 | .119 | 28.742 | 29.68 | 36.0 | 35.5 | 35 | 95 | .203 | 37.6 | 35.0 | E | 11 | | | T | 10 | St | E | Cloudy | | | CDS | 30 |
| 31 | 75.0 | 28.970 | .131 | 28.839 | 29.78 | 24.0 | 22.3 | 19 | 78 | .098 | 39.6 | 23.7 | W | 22 | 33 | W | T | 10 | StCu | W | Cloudy | | | BMcL | 31 |
| Sums | (a) | (a) | | 902.286 | 931.61 | 1234.9 | 1181.2 | 1108 | 2644 | 6.761 | (a) | (a) | (a) | 304 | (a) | (a) | 1.68 | 225 | (a) | (a) | (a) | 5 | 3 | (a) | (a) |
| Means | (a) | (a) | | 29.104 | 30.052 | 39.8 | 38.1 | 35.7 | 85.3 | .218 | (a) | (a) | (c) SW | 9.8 | (a) | (a) | (a) | 7.3 | U ASt, U W L StCu, L SW & NW | | | (a) | (a) | (a) | (a) |

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

U, upper clouds. L, lower clouds.

6—156

# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of ~~December~~ November, 1923

| Date. | TEMPERATURE. Maximum (b) | Minimum (b) | Range (b) | Change (b) | Mean (max. and min.) (b) | Normal | Departure | Total excess or deficiency since 1st of month | PRECIPITATION. Character ‡ | Beginning | Ending | Character ‡ | Beginning | Ending | Character ‡ | Beginning | Ending | Character ‡ | Beginning | Ending | Total (mid. to mid.) (b) †† | Normal | Departure | Total excess or deficiency since 1st of month | Hail and sleet unmelted. p.m. to p.m. *‡‡ | Snow unmelted. p.m. to p.m. *‡‡ | Hail, sleet, and snow on ground at p.m. *‡‡ | Amount of precipitation from melted snow (mid. to mid.) | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | | | | | | | | | | | | | | | | In. | | | | In. | In. | In. | In. | |
| 1 | 44 | 38 | 6 | 1 | 41 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 1 |
| 2 | 46 | 32 | 14 | 2 | 39 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 2 |
| 3 | 44 | 31 | 13 | 1 | 38 | | | | R | 12:20p | Cont'd | | | | | | | | | | .29 | | | | 0 | 0 | 0 | 0 | 3 |
| 4 | 43 | 37 | 6 | 2 | 40 | | | | R | Continued | | | | | | | | | | | 1.04 | | | | 0 | 0 | 0 | 0 | 4 |
| 5 | 34 | 36 | 3 | 2 | 38 | | | | R | Cont'd | 12:25p | R | 12:55p | 4:30p | R | 5:00p | 6:15p | R | 8:45p | 10:30p | .07 | | | | 0 | 0 | 0 | 0 | 5 |
| 6 | 41 | 34 | 7 | 0 | 38 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 6 |
| 7 | 50 | 32 | 18 | 3 | 41 | | | | R | DNA | DNA | R | 2:09p | 3:15p | R | 4:15p | 5:50p | R | 7:16p | 7:38p | 0 | | | | 0 | 0 | 0 | 0 | 7 |
| 8 | 55 | 45 | 10 | 9 | 50 | | | | R | 10:57p | Cont'd | | | | | | | | | | .08 | | | | 0 | 0 | 0 | 0 | 8 |
| 9 | 46 | 42 | 4 | 6 | 44 | | | | R | Cont'd | DNA | | | | | | | | | | .02 | | | | 0 | 0 | 0 | 0 | 9 |
| 10 | 47 | 35 | 12 | 3 | 41 | | | | R | 8:39a | 9:03a | | | | | | | | | | T | | | | 0 | 0 | 0 | 0 | 10 |
| 11 | 45 | 28 | 17 | 5 | 36 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 11 |
| 12 | 55 | 32 | 23 | 8 | 44 | | | | R | 12:41p | Cont'd | | | | | | | | | | .67 | | | | 0 | 0 | 0 | 0 | 12 |
| 13 | 56 | 25 | 31 | 4 | 40 | | | | R | Cont'd | DNA | S$^{m}$ | DNA | 8:42a | S$^{d}$ | 5:30p | 8:12p | | | | .57 | | | | 0 | 0.6 | 0.1 | .06 | 13 |
| 14 | 36 | 21 | 14 | 12 | 28 | | | | | | | | | | | | | | | | 0 | | | | 0 | T | T | 0 | 14 |
| 15 | 37 | 24 | 13 | 2 | 30 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 15 |
| 16 | 50 | 28 | 22 | 9 | 39 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 16 |
| 17 | 45 | 31 | 14 | 1 | 38 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 17 |
| 18 | 51 | 30 | 21 | 2 | 40 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 18 |
| 19 | 32 | 36 | 16 | 4 | 44 | | | | R | 1:53p | 2:10p | R | 5:35p | 6:15p | R | 7:50p | Cont'd | | | | .11 | | | | 0 | 0 | 0 | 0 | 19 |
| 20 | 54 | 48 | 6 | 7 | 51 | | | | R | Cont'd | 8:30a | R | 9:41a | 12:25p | R | 7:00p | 11:00p | | | | .21 | | | | 0 | 0 | 0 | 0 | 20 |
| 21 | 51 | 44 | 7 | 3 | 48 | | | | R | 3:40p | 9:40p | | | | | | | | | | .23 | | | | 0 | 0 | 0 | 0 | 21 |
| 22 | 45 | 40 | 5 | 6 | 42 | | | | R | 2:35p | Cont'd | | | | | | | | | | .12 | | | | 0 | 0 | 0 | 0 | 22 |
| 23 | 40 | 31 | 9 | 6 | 36 | | | | R | Cont'd | 7:24a | S$^{m}$ | 7:24a | 8:20a | S$^{m}$ | 1:25p | 2:08p | R | 2:08p | 5:26p | .27 | | | | 0 | 0.1 | 0 | .01 | 23 |
| 24 | 40 | 26 | 14 | 3 | 33 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 24 |
| 25 | 39 | 32 | 7 | 3 | 36 | | | | S$^{m}$ | DNA | 8:34a | | | | | | | | | | .08 | | | | 0 | 0.8 | 0 | .08 | 25 |
| 26 | 46 | 29 | 17 | 2 | 38 | | | | R | 7:40p | Cont'd | | | | | | | | | | .01 | | | | 0 | 0 | 0 | 0 | 26 |
| 27 | 55 | 36 | 19 | 8 | 46 | | | | R | Cont'd | 6:28a | R | 10:26a | 9:01p | | | | | | | .20 | | | | 0 | 0 | 0 | 0 | 27 |
| 28 | 41 | 26 | 15 | 12 | 34 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 28 |
| 29 | 43 | 30 | 13 | 2 | 36 | | | | | | | | | | | | | | | | 0 | | | | 0 | 0 | 0 | 0 | 29 |
| 30 | 38 | 35 | 3 | 0 | 36 | | | | R | 7:15a | 8:00a | R | 2:26p | 3:33p | | | | | | | T | | | | 0 | 0 | 0 | 0 | 30 |
| 31 | 40 | 18 | 22 | 7 | 29 | | | | R | DNA | DNA | S$^{m}$ | 12:53p | 3:15p | S$^{d}$ | 5:10p | 5:50p | S$^{d}$ | 7:56p | Cont'd | T | | | | 0 | T | T | T | 31 |
| S | 1413 | 1012 | 401 | 135 | 1214 | | Total excess or deficiency since January 1, | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | 3.99 | | Total excess or deficiency since January 1, | | 0 | 1.5 | (a) | (a) | (a) |
| M | 45.6 | 32.6 | 12.9 | 4.4 | 39.7 | (a) | | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | | | (a) | (a) | (a) | (a) | (a) |

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, S$^{d}$—dry snow, S$^{m}$—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.

ϕ Estimated ⊗ Melted as it fell.



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# SUMMARY FOR THE MONTH OF [illegible] December, 1923

The 8 a.m. and 8 p.m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

## PRESSURE.

(Correction to reduce to a 24-hour mean -.006)

### STATION.

| Mean. 8 a.m. | Mean. 8 p.m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 29.115 | 29.106 | 29.110 | 29.710 | 15 | 28.460 | 27 | 1.250 |
| Corrected mean | | 29.104 | | | | | |

### REDUCED.

| Mean. 8 a.m. | Mean. 8 p.m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 30.058 | 30.052 | 30.055 | 30.68 | 15 | 29.37 | 27 | 1.31 |
| Corrected mean | | 30.049 | | | | | |

## TEMPERATURE.

### MEAN.

| Dry. 8 a.m. | Dry. 8 p.m. | Dry. (8+8)÷2 (g) | Wet. 8 a.m. | Wet. 8 p.m. | Wet. Monthly. (g) | Max. | Min. | Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 35.7 | 39.8 | 37.8 | 34.6 | 38.1 | 36.4 | 45.6 | 32.6 | 39.1 |

| Highest. (i) | Date. (i) | Lowest. (i) | Date. (i) | Absolute range. | Greatest daily range. (i) | Date. (i) | Least daily range. (i) | Date. (i) |
|---|---|---|---|---|---|---|---|---|
| 56 | 13 | 18 | 31 | 38 | 31 | 13 | 3 | 30 |

| Dew-point. 8 a.m. | Dew-point. 8 p.m. | Dew-point. Monthly. (g) | Relative Humidity. 8 a.m. | Relative Humidity. 8 p.m. | Relative Humidity. Monthly. (g) | Vapor Pressure. 8 a.m. | Vapor Pressure. 8 p.m. | Vapor Pressure. Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 33.1 | 35.7 | 34.4 | 89.4 | 85.3 | 87.4 | .195 | .218 | .206 |

NUMBER OF DAYS WITH—(j)

| Maximum. 32° or below. | Maximum. 90° or above. | Minimum. 32° or below. | Minimum. Zero or below. |
|---|---|---|---|
| 0 | 0 | 18 | 0 |

CLOUDS.

Most frequent clouds Stratus

Most frequent direction upper clouds Northwest

Most frequent direction lower clouds Northwest

## WIND.

| Total movement (mid. to mid.). | Average hourly velocity. | Prevailing direction. (p) | Maximum velocity. (r) | Direction. (r) | Date. (r) |
|---|---|---|---|---|---|
| 7919 | 10.6 | SW | 34 | W | 28 |

| Number of Times Wind Observed from the— N. | NE. | E. | SE. | S. | SW. | W. | NW. | Calm. |
|---|---|---|---|---|---|---|---|---|
| 3 | 10 | 5 | 3 | 10 | 16 | 8 | 7 | 0 |

## WEATHER.

| Mean Cloudiness. 8 a.m. | 8 p.m. | Monthly. (t) | Sunshine. Percentage of possible. | Number of Days. Clear. | Partly cloudy. | Cloudy. |
|---|---|---|---|---|---|---|
| 7.5 | 7.3 | 7.5 | 27 | 5 | 3 | 23 |

| Number of Days with Precipitation (Mid. to Mid.). Clear. (u) | Partly cloudy. (u) | Cloudy. (u) |
|---|---|---|
| 0 | 1 | 14 |

(g)

## MISCELLANEOUS PHENOMENA.

DATES OF—(MIDNIGHT TO MIDNIGHT).

| Frosts. Light. | Heavy. | Killing. | Thunderstorms. (v) | Winds. (40 miles or over.) | Solar Halos. | Lunar Halos. | Fog. Light. | Fog. Dense. | Haze. Light. | Haze. Dense. | Smoke. Light. | Smoke. Dense. | Hail. | Aurora. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| not recorded | not recorded | Not recorded. | None | None | 0 | 23 | 1, 3, 20, 21, 27. | 3, 21. 27 | 0 | 0 | 0 | 0 | 0 | 0 |

## PRECIPITATION (in inches and hundredths). (m)

| Total Amount. | Greatest Amount in 24 Consecutive Hours. Amt. | Greatest Amount in 24 Consecutive Hours. Date. (k) | Excessive. 2.50 Inches in 24 Hours. (l) * Amt. | Duration. h. m. | Date. (k) | Excessive. 1 Inch per Hour. (l) Amt. | Duration. h. m. | Date. (k) |
|---|---|---|---|---|---|---|---|---|
| 3.99 | 1.73 1.08 | 12-13 ~~13-14~~ | 0 | | | 0 | | |

| Number of Days with—(Mid. to Mid.). Trace. | .01 or more. | .04 or more. | .25 or more. | 1.00 or more. | Total. | Snow. Trace or more. | Snow. .01 or more melted. | Snow. Total Depth. (o) | Snow. Average Depth at End of Month. |
|---|---|---|---|---|---|---|---|---|---|
| 3 | 15 | 13 | 5 | 1 | 18 | 4 | 3 | 1.5 | T |

(w) Maximum precipitation in 5 minutes —, date —; 10 minutes —, date —; 15 minutes —, date —;

30 minutes —, date —; 1 hour —, date —; 2 hours —, date —.

## EXCESSIVE.

| Date. | Total Duration. From— | To— | Total amount of precipitation. | Excessive Rate. Began— | Ended— | Amt. before excessive began. |
|---|---|---|---|---|---|---|
| | | | | | | |

Accumulated Depths During Excessive Rate for Consecutive Periods of Time Indicated Below.

| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

Tipping bucket raingage removed from roof at 7:00 a.m. of 13th

* The duration is the time precipitation was actually recorded.

8—154

Prepared by CDS

C. M. Yarnall, Meteorologist, Weather Bureau.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne Ind., for the Month of ~~March~~ December, 1923

Number of Station barometer, 656; sum of corrections, -.009 inch.

| Date. | SPECIAL OBSERVATIONS. | | | | | | | | | | | | | | | | | | | | | | | | | | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time. | | Barometer. | | | | | Thermometers. | | Dew-point. | Depression of the dew-point. | Relative humidity. | Maximum thermometer. | Wind. | | | | Precipitation. †† | Clouds. | | | State of Weather. | Special Phenomena. | Initials of Observer. | |
| | 75th mer. | Local (standard). | Attached thermometer. | Observed reading. | Total correction. | Station. (Observed reading plus total cor.) | Reduced to sea-level. | Dry. | Wet. | | | | | Direction. | Velocity. † | Max. since last observation. | Direction. | | Amt. | Kind. | Dir. from. | | | | |
| 4 | 12 00 Noon | 11 00 am | 75.0 | 29.023 | .131 | 28.892 | 29.83 | 38.0 | 37.5 | 37 | 1 | 96 | 38.8 | NE | 14 | | | .26 | 10 | Nb | NE | Lt. Rain | Request of Chicago | Cobb | 4 |
| 5 | 2 00 P.M. | 1 00 P.M. | 76.5 | 28.816 | .133 | 28.683 | 29.61 | 39.0 | 38.0 | 37 | 2 | 92 | 39.0 | NE | 16 | | | .01 | 10 | Nb | NE | Sprinkling | Request Chicago | Cmd | 5 |
| 12 | 2 00 PM | 1 00 PM | 72.5 | 29.156 | .125 | 29.031 | 29.97 | 44.0 | 42.0 | 40 | 4 | 85 | 44.0 | S | 10 | | | T | 10 | Nb | S | Lt. Rain | Request of Chicago | Cmd | 12 |
| 15 | 4 00 PM | 3 00 PM | 72.0 | 29.636 | .126 | 29.510 | 30.47 | 36.0 | 30.5 | 21 | 15 | 52 | 36.7 | S | 13 | | | 0 | 10 | St | S | Cloudy | Request of Chicago | Cmd | 15 |
| | | | | | | | Extremes of Pressure Highest | | | | | | | | | | | | | | | | | | | | |
| 15 | 2 30 AM | 1 30 AM | | | | 29.710 | 30.68 | 26.0 | | | | | | | | | | | | | | | | | | | 15 |
| | | | | | | | | Lowest | | | | | | | | | | | | | | | | | | | |
| 27 | 9 30 PM | 8 30 AM | | | | 28.460 | 29.37 | 51.0 | | | | | | | | | | | | | | | | | | | 27 |

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of DEC - - 1923, 192

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

| DATE. | N. | | NE. | | E. | | SE. | | S. | | SW. | | W. | | NW. | | CALM. | | TOTAL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. |
| 1 | | | | | 4 | 1 | 18 | 4 | 65 | 8 | 62 | 10 | 5 | 1 | | | | | 154 | 24 |
| 2 | | | | | | | | | | | 105 | 11 | 64 | | 72 | 8 | | | 241 | 24 |
| 3 | | | | | | | | | 58 | 7 | 101 | 17 | | | | | | | 159 | 24 |
| 4 | | | 329 | 23 | | | | | | | 3 | 1 | | | | | | | 332 | 24 |
| 5 | 88 | 7 | 263 | 17 | | | | | | | | | | | | | | | 351 | 24 |
| 6 | | | | | | | | | | | 63 | 6 | 95 | 7 | 192 | 11 | | | 350 | 24 |
| 7 | | | | | | | | | 268 | 16 | 108 | 8 | | | | | | | 376 | 24 |
| 8 | 9 | 1 | 31 | 5 | 5 | 1 | | | 14 | 1 | 224 | 16 | | | | | | | 283 | 24 |
| 9 | | | 167 | 17 | 74 | 7 | | | | | | | | | | | | | 241 | 24 |
| 10 | 14 | 2 | 67 | 9 | 14 | 2 | | | | | | | | | 120 | 11 | | | 215 | 24 |
| 11 | | | | | | | | | | | 81 | 12 | 32 | 5 | 33 | 7 | | | 146 | 24 |
| 12 | | | | | | | | | 223 | 18 | 102 | 6 | | | | | | | 325 | 24 |
| 13 | | | | | | | | | | | 34 | 2 | 40 | 4 | 305 | 18 | | | 379 | 24 |
| 14 | | | | | | | | | 85 | 7 | 111 | 11 | 43 | 6 | | | | | 239 | 24 |
| 15 | | | | | | | | | 118 | 10 | 192 | 14 | | | | | | | 310 | 24 |
| 16 | | | | | | | | | | | 175 | 12 | 111 | 12 | | | | | 286 | 24 |
| 17 | 5 | 1 | 14 | 4 | 24 | 6 | 25 | 6 | 10 | 2 | 7 | 2 | 11 | 2 | 5 | 1 | | | 101 | 24 |
| 18 | | | | | 4 | 1 | 11 | 4 | 112 | 17 | 19 | 2 | | | | | | | 146 | 24 |
| 19 | | | | | | | | | 131 | 15 | 83 | 9 | | | | | | | 214 | 24 |
| 20 | | | | | | | | | 62 | 6 | 128 | 16 | 5 | 2 | | | | | 195 | 24 |
| 21 | | | 78 | 10 | 88 | 12 | | | | | | | 2 | 1 | 5 | 1 | | | 173 | 24 |
| 22 | | | 98 | 9 | 151 | 15 | | | | | | | | | | | | | 249 | 24 |
| 23 | 131 | 17 | 22 | 4 | 15 | 2 | | | | | | | | | 8 | 1 | | | 176 | 24 |
| 24 | 26 | 6 | | | | | | | | | 200 | 17 | 5 | 1 | | | | | 231 | 24 |
| 25 | | | | | | | | | | | 99 | 8 | 257 | 16 | | | | | 356 | 24 |
| 26 | | | | | | | 59 | 9 | 36 | 4 | 82 | 11 | | | | | | | 177 | 24 |
| 27 | | | | | | | 61 | 11 | 31 | 4 | 35 | 3 | 107 | 6 | | | | | 234 | 24 |
| 28 | | | | | | | | | | | 38 | 5 | 363 | 19 | | | | | 401 | 24 |
| 29 | | | | | 41 | 5 | | | | | 148 | 14 | 6 | 1 | 11 | 4 | | | 206 | 24 |
| 30 | | | 25 | 2 | 254 | 22 | | | | | | | | | | | | | 279 | 24 |
| 31 | | | | | 5 | 1 | 3 | 1 | 3 | 1 | 156 | 11 | 227 | 10 | | | | | 394 | 24 |
| SUM. | 273 | 34 | 1094 | 100 | 679 | 75 | 177 | 35 | 1216 | 116 | 2356 | 224 | 1373 | 98 | 751 | 62 | 0 | 0 | 7919 | 744 |
| PERCENTAGE | 3 | 5 | 14 | 13 | 9 | 10 | 2 | 5 | 15 | 16 | 30 | 30 | 17 | 13 | 10 | 8 | 0 | 0 | a | a |
| AVG. HOURLY VELOCITY | 8.0 | a | 10.9 | a | 9.1 | a | 5.1 | a | 10.5 | a | 10.5 | a | 14.0 | a | 12.1 | a | 0 | a | 10.6 | a |

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Form No. 1002—Met'l.

U. S. Department of Agriculture,
WEATHER BUREAU.

# ANNUAL METEOROLOGICAL SUMMARY

FOR

1923

STATION

Fort Wayne, Indiana

LOCATION OF OFFICE DECEMBER 31, 1923

*Street,* Corner of Berry and Calhoun

*Number,* Shoaff Building

*Room,* 911 - 912

SUM OF BAROMETER CORRECTIONS.

*From* 8 a. m. Jan. 1 *to* 8 p. m. Dec. 31, *inc.,* .009 *in.*

*From* ..... *m.* ..... *to* ..... *m.* ....., *inc.,* ..... *in.*

*From* ..... *m.* ..... *to* ..... *m.* ....., *inc.,* ..... *in.*

8—272

NOON, LOCAL MEAN TIME, OBSERVATION.

AVERAGES.

| Month. | Temperature. Dry. (d) | Temperature. Wet. (d) | Dew-Point. (e) | Relative Humidity. (e) | Vapor Pressure. (c) | Clouds. Amount. (d) | Clouds. Most Frequent Kind, Upper. | Clouds. Most Frequent Kind, Lower. | Clouds. Most Frequent Direction of Upper. | Clouds. Most Frequent Direction of Lower. |
|---|---|---|---|---|---|---|---|---|---|---|
| Jan., | 31.9 | 29.6 | 26 | 76 | .139 | 7.8 | a.st. | cu. | NW | NW. |
| Feb., | 26.5 | 23.8 | 20 | 76 | .117 | 7.8 | a.st | st. | NW | W. |
| Mar., | 36.5 | 31.6 | 23 | 58 | .132 | 6.6 | a.st | cu. st-cu | NW | NW |
| Apr., | 53.0 | 43.1 | 31 | 47 | .182 | 6.5 | a.st | cu | NW | NW |
| May, | 63.1 | 53.4 | 45 | 57 | .319 | 5.5 | a.st | cu. | NW | SW-W |
| June, | 78.2 | 65.2 | 58 | 51 | .495 | 5.8 | a.st | cu | W NW | SW |
| July, | 79.9 | 67.7 | 61 | 54 | .550 | 4.8 | a.st. | cu. | NW | NW |
| Aug., | 75.9 | 64.6 | 58 | 55 | .497 | 6.0 | ASt | Cu | NW | NW |
| Sept., | 70.6 | 62.0 | 56 | 62 | .476 | 6.5 | ci.st | cu. | W & NW | SW |
| Oct., | 55.6 | 46.6 | 37 | 52 | .230 | 5.1 | ci.st A.st | cu | N | NW |
| Nov., | 43.8 | 39.4 | 34 | 70 | .199 | 6.1 | a st | cu. | NW | NW |
| Dec., | 41.3 | 38.4 | 34 | 77 | .207 | 7.5 | a.st. | st. cu st | NW | NE NW |
| Sum, | 655.3 | 565.4 | 483 | 735 | 3.543 | 75.7 | -- | -- | -- | --- |
| Mean, | 54.6 | 47.1 | 40 | 61 | .295 | 6.3 | a.st. | cu | NW | NW |

(d) To tenths. (e) To whole numbers. (c) To thousandths.

# ANNUAL METEOROLOGICAL SUMMARY FOR 1923.—STATION Fort Wayne, Indiana

Latitude N. 41° 5′ Longitude W. 85° 10′ Local time 0 h. 41 min. (t) Slower than 75th meridian normal time.

| MONTH. | STATION PRESSURE. (Corrected for temperature, instrumental error, gravity, and removal.) Station Elevation of Barometer Cistern Above Mean Sea Level, 856 Feet. | | | | | | | | CORRECTED MONTHLY SEA-LEVEL PRESSURE. | TEMPERATURE. Elevation of Dry Thermometer Bulb Above Ground on Dec. 31, 113 Feet. | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mean. | | | Highest observed. | Date. | Lowest observed. | Date. | Absolute range. | | Mean. | | From Self-Registering Instruments. | | | | | | | | | | |
| | | | | | | | | | | | | Mean. | | | Highest. | Date. | Lowest. | Date. | Range. | | Mean daily change. |
| | 8 a. m. | 8 p. m. | Corrected monthly. | | | | | | | 8 a. m. | 8 p. m. | Max. | Min. | Monthly. | | | | | Absolute. | Mean daily. | |
| | (c) | (c) | (c) | (c) | | (c) | | (c) | | (d) | (d) | (d) | (d) | (d) | (e) | | (e) | | (c) | (d) | (d) |
| | In. | In. | In. | In. | | In. | | In. | In. | ° | ° | ° | ° | ° | ° | | ° | | ° | ° | ° |
| Jan., | 29.129 | 29.123 | 29.121 | 29.750 | 22 | 28.510 | 11 | 1.240 | 30.075 | 28.3 | 31.0 | 35.6 | 24.6 | 30.1 | 50 | 18 | 11 | 17 | 39 | 11.0 | 4.8 |
| Feb., | 29.249 | 29.225 | 29.232 | 29.700 | 15 | 28.700 | 12 | 1.000 | 30.197 | 20.4 | 24.8 | 29.7 | 16.4 | 23.0 | 44 | 25 | 1 | 4 | 43 | 13.4 | 5.8 |
| Mar., | 29.097 | 29.093 | 29.090 | 29.610 | 31 | 28.160 | 12 | 1.450 | 30.038 | 30.0 | 35.7 | 43.2 | 24.6 | 33.9 | 63 | 2 | 7 | 19 | 56 | 18.5 | 7.7 |
| Apr., | 29.081 | 29.039 | 29.055 | 29.640 | 1 | 28.550 | 7 | 1.090 | 29.989 | 41.9 | 51.1 | 57.9 | 36.9 | 47.4 | 78 | 20 | 18 | 1 | 60 | 21.0 | 6.5 |
| May, | 29.036 | 29.013 | 29.019 | 29.400 | 23 | 28.390 | 16 | 1.010 | 29.943 | 51.8 | 61.5 | 69.0 | 45.6 | 57.3 | 85 | 29 | 30 | 9 | 55 | 23.4 | 5.0 |
| June, | 29.095 | 29.050 | 29.068 | 29.380 | 9 | 28.660 | 28 | 0.720 | 29.977 | 67.5 | 76.4 | 82.4 | 61.6 | 72.0 | 97 | 23 | 46 | 29 | 51 | 20.8 | 3.7 |
| July, | 29.143 | 29.077 | 29.107 | 29.342 | 1 | 28.830 | 24 | 0.512 | 30.018 | 68.1 | 77.7 | 84.3 | 63.5 | 73.9 | 93 | 10 | 53 | 1 | 40 | 20.9 | 2.5 |
| Aug., | 29.112 | 29.073 | 29.088 | 29.260 | 30 | 28.850 | 21 | 0.410 | 30.001 | 65.1 | 73.5 | 79.4 | 60.5 | 70.0 | 89 | 7 | 46 | 22 | 43 | 18.9 | 3.5 |
| Sept., | 29.194 | 29.153 | 29.169 | 29.500 | 17 | 28.750 | 20 | 0.750 | 30.089 | 59.2 | 66.9 | 73.6 | 56.5 | 65.0 | 86 | 27 | 40 | 15 | 46 | 17.1 | 3.8 |
| Oct., | 29.257 | 29.233 | 29.239 | 29.580 | 9 | 28.420 | 19 | 1.160 | 30.176 | 44.1 | 52.7 | 59.3 | 41.7 | 50.5 | 78 | 12 | 27 | 31 | 51 | 17.6 | 4.3 |
| Nov., | 29.171 | 29.146 | 29.151 | 29.540 | 1 | 28.670 | 26 | 0.870 | 30.095 | 36.2 | 42.5 | 48.4 | 34.0 | 41.2 | 61 | 10 | 26 | 29 | 35 | 14.4 | 4.5 |
| Dec., | 29.115 | 29.106 | 29.104 | 29.710 | 15 | 28.460 | 27 | 1.250 | 30.049 | 35.7 | 39.8 | 45.6 | 32.6 | 39.1 | 56 | 13 | 18 | 31 | 38 | 12.9 | 4.4 |
| | | | | a | a | a | a | | | | | | | | a | a | a | a | | | |
| Sum., | 349.679 | 349.331 | 349.443 | Highest. | Date. | Lowest. | Date. | 11.462 | 360.647 | 548.3 | 633.6 | 708.4 | 498.5 | 603.4 | Max. | Date. | Min. | Date. | 557 | 209.9 | 56.5 |
| Mean, | 29.140 | 29.111 | 29.120 | 29.750 | Jan. 22 | 28.160 | Mar. 12 | 0.955 | 30.054 | 45.7 | 52.8 | 59.0 | 41.5 | 50.3 | 97 | June 23 | 1 | Feb. 4 | 46 | 17.5 | 4.7 |

a Omit data from this space. c To thousandths. d To tenths. e To whole numbers. t Enter the word "faster" or "slower," as the case may be.

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| MONTH. | TEMPERATURE. | | | DEW-POINT. | | | RELATIVE HUMIDITY (Percentage). | | | VAPOR PRESSURE. | | | PRECIPITATION. (Amount in inches and hundredths.) ELEVATION OF TOP OF GAGE ABOVE GROUND DEC. 31, 107 FEET. | | | | | | | | | SNOWFALL (total depth). |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | NUMBER OF DAYS. | | | MEAN. | | | MEAN. | | | MEAN. | | | TOTAL AMOUNT. | GREATEST AMOUNT IN ANY 24 CONSECUTIVE HOURS. | | EXCESSIVE. | | | | | | |
| | | | | | | | | | | | | | | | | 2.50 inches in 24 hours. (g) (h) | | | 1 inch per hour. (g) | | | |
| | Max. 32° or below. | Max. 90° or above. | Min. 32° or below. | 8 a. m. (c) | 8 p. m. (c) | Monthly. (c) | 8 a. m. (c) | 8 p. m. (c) | Monthly. (c) | 8 a. m. (c) | 8 p. m. (c) | Monthly. (c) | | Amt. | Date. | Amt. | Duration (h. & m.) | Date. | Amt. | Duration (h. & m.) | Date. | |
| | | | | ° | ° | ° | % | % | % | In. | In. | In. | In. | In. | | In. | | | In. | | | In. |
| Jan., | 7 | 0 | 28 | 23 | 26 | 24 | 80 | 79 | 80 | .127 | .142 | .134 | 1.99 | 0.54 | 5-6 | 0 | | | 0 | | | 12.0 |
| Feb., | 17 | 0 | 26 | 17 | 20 | 18 | 84 | 80 | 82 | .102 | .120 | .111 | 1.23 | 0.55 | 12 | 0 | | | 0 | | | 5.7 |
| Mar., | 6 | 0 | 27 | 24 | 26 | 25 | 78 | 67 | 73 | .139 | .154 | .146 | 3.65 | 1.57 | 15-16 | 0 | | | 0 | | | 6.3 |
| Apr., | 0 | 0 | 8 | 31 | 34 | 32 | 66 | 55 | 60 | .178 | .201 | .190 | 1.42 | 0.69 | 4-5 | 0 | | | 0 | | | T |
| May, | 0 | 0 | 1 | 43 | 46 | 44 | 74 | 58 | 66 | .289 | .313 | .301 | 4.25 | 1.69 | 14-15 | 0 | | | 0 | | | 1.5 |
| June, | 0 | 8 | 0 | 59 | 58 | 59 | 76 | 55 | 65 | .522 | .503 | .512 | 1.56 | 0.60 | 5-6 | 0 | | | 0 | | | 0 |
| July, | 0 | 3 | 0 | 61 | 61 | 61 | 78 | 59 | 68 | .541 | .548 | .544 | 5.26 | 1.93 | 27-28 | 0 | | | 1.00 | 0.~~24~~ 25 | 7 | 0 |
| Aug., | 0 | 0 | 0 | 58 | 60 | 59 | 78 | 63 | 70 | .496 | .532 | .514 | 4.35 | 1.02 | 4 | 0 | | | 1.00 | 0 23 | 4 | 0 |
| Sept., | 0 | 0 | 0 | 55 | 57 | 56 | 86 | 71 | 79 | .454 | .486 | .470 | 2.41 | 0.98 | 19-20 | 0 | | | 0 | | | 0 |
| Oct., | 0 | 0 | 2 | 38 | 40 | 39 | 79 | 63 | 71 | .236 | .257 | .246 | 3.08 | 1.77 | 17-18 | 0 | | | 0 | | | 0 |
| Nov., | 0 | 0 | 9 | 32 | 35 | 34 | 86 | 74 | 80 | .185 | .204 | .194 | 2.06 | 0.72 | 4-5 | 0 | | | 0 | | | T |
| Dec. | 0 | 0 | 18 | 33 | 36 | 34 | 89 | 85 | 87 | .195 | .218 | .206 | 3.99 | ~~1.08~~ 1.23 | ~~4-5~~ 12-13 | 0 | | | 0 | | | 1.5 |
| Sum., | 30 | 11 | 119 | 474 | 498 | 485 | 954 | 809 | 881 | 3.464 | 3.678 | 3.568 | 35.25 | a | a | a | a | a | a | a | a | 27.0 |
| Mean, | a | a | a | 40 | 42 | 40 | 80 | 67 | 73 | .289 | .306 | .297 | a | 1.93 | July 27-28 | a | a | a | a | a | a | a |

g No entry unless the precipitation actually equaled or exceeded 2.50 inches in 24 consecutive hours, or 1 inch per hour, as the case may be. h The duration is the time precipitation was actually recorded.

Station Fort Wayne, Ind.

| MONTH. | MEAN CLOUDINESS. (0 to 10.) | | | HOURS OF SUNSHINE. | | | WIND. Elevation of Anemometer Cups Above Ground Dec. 31, 124 Feet. | | | | | | | | | | | | | | NUMBER OF DAYS. | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 8 a.m. (d) | 8 p.m. (d) | Monthly. (d) | Total. | Possible. | Percentage. | Total Movement in Miles. | Prevailing Direction. | Maximum Hourly Velocity During Month. | | | No. of Days with 40 Miles and Over. (h) | Direction. Number of Times Observed Blowing from the— | | | | | | | | No. of Calms. | Clear.* | Partly Cloudy.* | Cloudy.* | Precipitation. | | | | | Dense Fog. | Thunderstorms. | Auroras. |
| | | | | | | | | | Miles. | From. | Date. | | N. | NE. | E. | SE. | S. | SW. | W. | NW. | | | | | .01 inch and over. | .04 inch and over. | Snow, trace and over. | Snow, .01 inch and over. | Hail. | | | |
| Jan., | 7.5 | 7.6 | 8.0 | 69.2 | 298.2 | 23 | 7900 | W | 38 | SW | 18 | 0 | 3 | 4 | 10 | 4 | 8 | 8 | 16 | 9 | 0 | 2 | 8 | 21 | 15 | 11 | 13 | 7 | 0 | 2 | 0 | 0 |
| Feb., | 7.7 | 6.9 | 7.8 | 77.4 | 298.2 | 26 | 7247 | W | 48 | W | 14 | 2 | 3 | 5 | 6 | 3 | 2 | 13 | 15 | 9 | 0 | 2 | 8 | 18 | 16 | 9 | 20 | 10 | 0 | 2 | 0 | 0 |
| Mar., | 6.4 | 5.4 | 6.5 | 192.2 | 370.8 | 52 | 9347 | SW | 56 | SW | 12 | 2 | 5 | 1 | 4 | 4 | 9 | 16 | 10 | 13 | 0 | 7 | 10 | 14 | 13 | 10 | 11 | 4 | 0 | 1 | 1 | 0 |
| April, | 5.6 | 5.2 | 5.9 | 248.1 | 399.9 | 62 | 8695 | SW | 44 | SW | 21 | 2 | 7 | 9 | 4 | 4 | 7 | 13 | 5 | 11 | 0 | 8 | 9 | 13 | 10 | 6 | 4 | 0 | 0 | 0 | 2 | 0 |
| May, | 5.0 | 5.1 | 5.3 | 312.9 | 449.0 | 70 | 7576 | E | 34 | NW | 9 | 0 | 4 | 10 | 25 | 5 | 6 | 7 | 2 | 3 | 0 | 10 | 10 | 11 | 10 | 10 | 2 | 2 | 0 | 0 | 3 | 0 |
| June, | 4.1 | 4.1 | 4.9 | 323.4 | 432.0 | 72 | 5348 | SW | 37 | SW | 7 | 0 | 5 | 11 | 6 | 2 | 3 | 24 | 5 | 4 | 0 | 9 | 16 | 5 | 8 | 6 | 0 | 0 | 0 | 1 | 3 | 0 |
| July, | 3.9 | 4.8 | 4.6 | 320.7 | 458.3 | 70 | 4324 | SW | 33 | NE | 11 | 0 | 3 | 12 | 10 | 4 | 3 | 15 | 4 | 6 | 5 | 12 | 11 | 8 | 10 | 8 | 0 | 0 | 0 | 0 | 10 | 0 |
| Aug., | 4.8 | 4.7 | 5.4 | 278.7 | 426.9 | 65 | 4848 | SW | 29 | SW | 21 | 0 | 8 | 6 | 10 | 3 | 6 | 14 | 8 | 7 | 0 | 9 | 12 | 10 | 12 | 10 | 0 | 0 | 0 | 1 | 7 | 0 |
| Sept., | 5.2 | 5.9 | 6.0 | 186.7 | 374.0 | 50 | 4408 | E | 22 | SW | 6 | 0 | 4 | 10 | 14 | 3 | 12 | 9 | 2 | 5 | 1 | 5 | 15 | 10 | 10 | 9 | 0 | 0 | 0 | 2 | 3 | 0 |
| Oct., | 5.0 | 4.5 | 4.9 | 1923 ~~1905~~ | 344.1 | 56 ~~55~~ | 5212 | E | 30 | NW | 19 | 0 | 8 | 10 | 12 | 6 | 3 | 9 | 5 | 9 | 0 | 14 | 5 | 12 | 8 | 6 | 0 | 0 | 0 | 2 | 0 | 0 |
| Nov., | 5.9 | 6.2 | 6.5 | 116.7 | 297.0 | 39 | 6039 | SW | 26 | NW | 16 | 0 | 8 | 2 | 14 | 5 | 6 | 11 | 8 | 6 | 0 | 8 | 7 | 15 | 9 | 8 | 2 | 0 | 0 | 4 | 0 | 0 |
| Dec., | 7.5 | 7.3 | 7.5 | 77.4 | 287.3 | 27 | 7919 | SW | 34 | W | 28 | 0 | 3 | 10 | 5 | 3 | 10 | 16 | 8 | 7 | 0 | 5 | 3 | 23 | 15 | 13 | 4 | 3 | 0 | 3 | 0 | 0 |
| Sum, | 68.6 | 67.7 | 73.3 | 2395 ~~2393.7~~ | 4455.7 | 612 | 78863 | a | a | a | a | 6 | 61 | 90 | 120 | 46 | 75 | 155 | 88 | 89 | 6 | 91 | 114 | 160 | 136 | 106 | 56 | 26 | 0 | 18 | 29 | 0 |
| Mean, | 5.7 | 5.6 | 6.1 | 1996 ~~1995~~ | 371.3 | 51 | a | j SW | j 56 | j SW | Mar. 12 | a | a | a | a | a | a | a | a | a | a | a | a | a | a | a | a | a | a | a | a | a |

*h* Days with 40 miles per hour and over. *j* One entry only. * From sunrise to sunset.

8—272

**Standard of normal time in local use, 90" meridian.**

| MONTH. | WIND. Mean Hourly Velocity. | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 a.m. | 2 a.m. | 3 a.m. | 4 a.m. | 5 a.m. | 6 a.m. | 7 a.m. | 8 a.m. | 9 a.m. | 10 a.m. | 11 a.m. | 12 Noon. | 1 p.m. | 2 p.m. | 3 p.m. | 4 p.m. | 5 p.m. | 6 p.m. | 7 p.m. | 8 p.m. | 9 p.m. | 10 p.m. | 11 p.m. | 12 Mid't. | For the Month. |
| Jan., | 9.7 | 10.0 | 10.5 | 10.3 | 10.5 | 10.6 | 10.5 | 10.9 | 11.0 | 12.0 | 11.8 | 12.3 | 11.9 | 12.1 | 11.5 | 11.4 | 10.8 | 9.9 | 9.4 | 9.8 | 9.6 | 9.5 | 9.4 | 9.5 | 10.6 |
| Feb., | 9.8 | 9.9 | 9.7 | 10.1 | 10.1 | 10.0 | 9.9 | 10.6 | 11.3 | 11.7 | 11.8 | 12.2 | 12.6 | 12.3 | 12.1 | 11.6 | 11.2 | 10.8 | 10.0 | 10.2 | 10.2 | 10.5 | 10.1 | 9.9 | 10.8 |
| Mar., | 10.8 | 10.8 | 11.1 | 11.5 | 11.5 | 11.6 | 12.5 | 13.5 | 14.5 | 15.0 | 15.5 | 15.7 | 16.1 | 15.8 | 15.2 | 14.5 | 13.2 | 10.6 | 9.6 | 10.2 | 10.6 | 10.5 | 10.6 | 10.7 | 12.6 |
| April, | 9.2 | 9.7 | 10.0 | 10.5 | 10.6 | 10.5 | 11.1 | 12.6 | 13.8 | 14.8 | 15.5 | 14.9 | 15.2 | 15.5 | 15.7 | 15.4 | 14.3 | 12.9 | 10.4 | 9.9 | 9.8 | 9.3 | 8.9 | 9.4 | 12.1 |
| May, | 7.9 | 8.1 | 7.6 | 8.0 | 8.1 | 9.1 | 9.7 | 10.4 | 10.9 | 11.5 | 12.4 | 12.9 | 12.5 | 12.8 | 13.1 | 13.1 | 12.6 | 11.0 | 9.6 | 8.7 | 9.1 | 8.6 | 8.5 | 8.5 | 10.2 |
| June, | 4.9 | 5.2 | 4.7 | 5.0 | 5.2 | 5.8 | 6.5 | 7.7 | 9.2 | 10.0 | 9.9 | 10.2 | 10.5 | 10.8 | 10.9 | 10.7 | 9.5 | 7.8 | 6.6 | 6.0 | 6.0 | 5.4 | 5.2 | 4.8 | 7.4 |
| July, | 3.8 | 4.7 | 4.6 | 4.5 | 4.6 | 4.7 | 4.9 | 5.4 | 6.2 | 6.9 | 7.2 | 7.2 | 7.4 | 8.1 | 8.1 | 8.3 | 7.0 | 6.9 | 5.5 | 5.0 | 5.2 | 5.0 | 4.4 | 3.8 | 5.8 |
| Aug., | 5.1 | 5.0 | 4.9 | 5.6 | 5.6 | 6.0 | 5.5 | 6.2 | 7.2 | 8.0 | 8.6 | 8.5 | 8.7 | 8.8 | 9.0 | 8.3 | 7.8 | 6.4 | 5.6 | 5.3 | 5.2 | 5.3 | 5.3 | 4.7 | 6.5 |
| Sept., | 5.1 | 5.2 | 5.0 | 4.9 | 4.5 | 4.7 | 5.2 | 5.9 | 6.3 | 7.1 | 7.8 | 8.3 | 8.3 | 8.1 | 7.9 | 7.7 | 6.9 | 5.8 | 5.2 | 5.3 | 5.4 | 5.4 | 5.6 | 5.2 | 6.1 ~~6.0~~ |
| Oct., | 4.9 | 5.0 | 5.7 | 5.8 | 6.5 | 6.3 | 6.3 | 7.1 | 7.8 | 8.6 | 9.2 | 9.4 | 9.6 | 9.5 | 9.5 | 8.4 | 7.4 | 6.8 | 6.2 | 6.1 | 5.9 | 5.6 | 5.5 | 5.1 | 7.0 |
| Nov., | 7.6 | 7.2 | 7.2 | 7.3 | 7.3 | 7.6 | 7.7 | 7.9 | 8.1 | 9.3 | 9.7 | 9.5 | 9.4 | 9.6 | 9.5 | 8.8 | 8.1 | 8.2 | 8.6 | 9.1 | 8.7 | 8.4 | 8.6 | 7.9 | 8.4 |
| Dec., | 9.6 | 9.9 | 9.9 | 9.2 | 10.2 | 9.9 | 9.7 | 10.0 | 10.5 | ~~10.4~~ 11.4 | ~~10.8~~ 11.8 | 12.0 | 12.3 | 12.0 | 11.6 | 11.4 | 10.6 | 10.5 | 10.5 | 10.7 | 10.5 | 10.9 | 10.5 | 9.8 | 10.6 |
| Sum, | 88.4 | 90.7 | 90.9 | 92.7 | 94.7 | 96.8 | 99.5 | 108.0 | 116.8 | 126.3 | 131.2 | 133.1 | 134.7 | 135.4 | 134.1 | 129.1 | 119.4 | 107.6 | 97.2 | 96.3 | 96.2 | 94.1 | 92.8 | 89.3 | 108.1 |
| Mean, | 7.4 | 7.6 | 7.6 | 7.7 | 7.9 | 8.1 | 8.3 | 9.0 | 9.7 | 10.5 | 10.9 | 11.1 | 11.2 | 11.3 | 11.2 | 10.8 | 10.0 | 9.0 | 8.1 | 8.0 | 8.0 | 7.8 | 7.7 | 7.4 | 9.0 |

Station Fort Wayne, Ind. . Standard of normal time in local use, 90th meridian.

| MONTH. | MEAN HOURLY ATMOSPHERIC TEMPERATURE.—(By Richards' Thermograph.) | | | | | | | | | | | | | | | | | | | | | | | | FOR THE MONTH. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 a. m. | 2 a. m. | 3 a. m. | 4 a. m. | 5 a. m. | 6 a. m. | 7 a. m. | 8 a. m. | 9 a. m. | 10 a. m. | 11 a. m. | 12 Noon. | 1 p. m. | 2 p. m. | 3 p. m. | 4 p. m. | 5 p. m. | 6 p. m. | 7 p. m. | 8 p. m. | 9 p. m. | 10 p. m. | 11 p. m. | 12 Mid't. | |
| Jan., | | | | | | | | | | | | | | | | | | | | | | | | | |
| Feb., | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mar., | | | | | | | | | | | | | | | | | | | | | | | | | |
| April, | | | | | | | | | | | | | | | | | | | | | | | | | |
| May, | | | | | | | | | | | | | | | | | | | | | | | | | |
| June, | | | | | | | | | | | | | | | | | | | | | | | | | |
| July, | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aug., | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sept., | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oct., | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nov., | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dec., | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sum, | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mean, | | | | | | | | | | | | | | | | | | | | | | | | | |

*Prepared by* .....

C. M. Dorrough
*Weather Bureau.*

**Standard of normal time in local use, 90th meridian.**

| MONTH. | WIND—NUMBER OF MILES AND LENGTH OF TIME FROM— | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | N. | | NE. | | E. | | SE. | | S. | | SW. | | W. | | NW. | | CALM. | | TOTAL. | |
| | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. |
| January, | 171 | 16 | 369 | 38 | 1098 | 113 | 424 | 73 | 849 | 92 | 1319 | 118 | 2344 | 178 | 1326 | 116 | 0 | 0 | 7900 | 744 |
| February, | 419 | 54 | 280 | 48 | 395 | 54 | 250 | 49 | 369 | 44 | 1738 | 147 | 2633 | 184 | 1163 | 92 | 0 | 0 | 7247 | 672 |
| March, | 311 | 43 | 249 | 27 | 517 | 48 | 475 | 64 | 1020 | 80 | 2873 | 194 | 1514 | 114 | 2388 | 174 | 0 | 0 | 9347 | 744 |
| April, | 407 | 55 | 1722 | 132 | 290 | 34 | 146 | 27 | 1015 | 84 | 2844 | 189 | 771 | 66 | 1500 | 133 | 0 | 0 | 8695 | 720 |
| May, | 229 | 27 | 2323 | 208 | 2021 | 211 | 316 | 52 | 502 | 68 | 884 | 79 | 560 | 52 | 741 | 45 | 0 | 2 | 7576 | 744 |
| June, | 316 | 44 | 526 | 100 | 250 | 62 | 143 | 30 | 262 | 47 | 2494 | 263 | 531 | 64 | 826 | 93 | 0 | 17 | 5348 | 720 |
| July, | 520 | 82 | 789 | 131 | 715 | 123 | 244 | 62 | 279 | 44 | 1123 | 171 | 246 | 48 | 408 | 63 | 0 | 20 | 4324 | 744 |
| August, | 599 | 109 | 447 | 72 | 509 | 89 | 144 | 39 | 600 | 89 | 1310 | 167 | 454 | 66 | 785 | 108 | 0 | 5 | 4848 | 744 |
| September, | 361 | 65 | 580 | 106 | 800 | 158 | 194 | 41 | 824 | 135 | 964 | 112 | 228 | 33 | 457 | 65 | 0 | 5 | 4408 | 720 |
| October, | 775 | 114 | 574 | 92 | 636 | 143 | 416 | 72 | 206 | 29 | 776 | 106 | 767 | 89 | 1062 | 92 | 0 | 7 | 5212 | 744 |
| November, | 683 | 87 | 189 | 33 | 910 | 136 | 254 | 63 | 710 | 79 | 1623 | 147 | 822 | 95 | 848 | 80 | 0 | 0 | 6039 | 720 |
| December, | 273 | 34 | 1094 | 100 | 679 | 75 | 177 | 35 | 1216 | 116 | 2356 | 224 | 1373 | 98 | 751 | 62 | 0 | 0 | 7919 | 744 |
| Sum, | 5064 | 730 | 9142 | 1087 | 8820 | 1246 | 3183 | 607 | 7852 | 907 | 20304 | 1917 | 12243 | 1087 | 12255 | 1123 | 0 | 56 | 78863 | 8760 |
| Percentage, | | | | | | | | | | | | | | | | | | | | |
| Average hourly velocity, | | a | | a | | a | | a | | a | | a | | a | | a | | a | 9.0 | a |

U.S. DEPARTMENT OF AGRICULTURE
NATIONAL AGRICULTURAL LIBRARY

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Monday, (Date) JAN - 1 1923, 192

Time (local standard) 90° mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 27 | 27 | 27 | 26 | 26 | 25 | 25 | 26 | 26 | 28 | 29 | 30 | 31 | 32 | 34 | 33 | 32 | 31 | 30 | 30 | 30 | 29 | 29 | 29 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Clear | | | | | | Cloudy | | Clear | | | | | | | | | |
| Sunrise: Time, 7:06 Character, Clear | | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: 3:36 p | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, 4:29 Character, Clear | | | | | | | | | | | | | | | | | | | | | | | | |
| Moonset: 5:44 p | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | | .90 | 0.2 | | | | 1.0 | 1.0 | | | 0.1 | .38 | | | | | | |
| Wind direction | W | W | W | W | W | W | W | W | W | W | W | W | W | SW | W | W | W | W | W | S | S | SE | SE | SE |
| Wind movement | 15 | 14 | 12 | 10 | 11 | 9 | 11 | 11 | 12 | 11 | 10 | 9 | 10 | 8 | 7 | 6 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 4 |
| Maximum velocities (exceeding 49 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

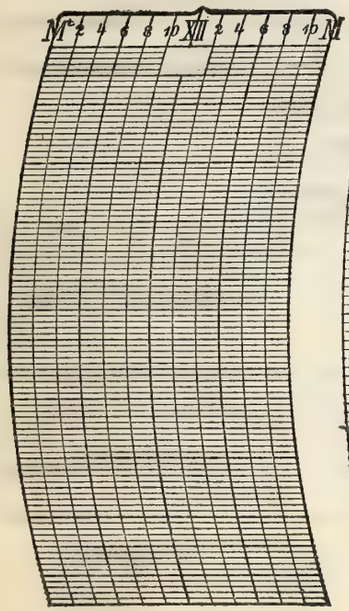
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 34 | 24 | 29 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 9.3 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 100
Prevailing wind direction, Total wind
Average hourly velocity, 8.3 Extreme velocity,
Maximum velocity, Direction,
Time began, 12:40 p.m.
Reduced barometer, 29.43 7 a. m. 30.11 7 p. m.
River gage, 8.9 feet
Relative humidity, 55 7 a. m. 68 7 p. m.

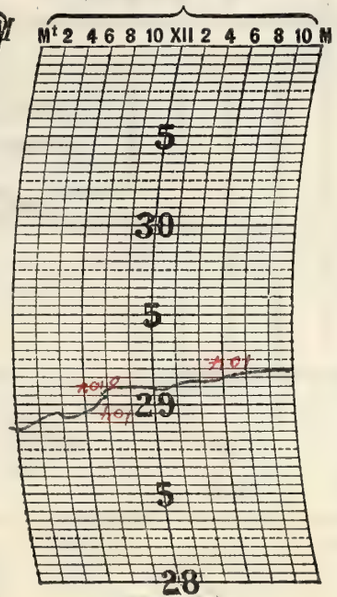
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 30.0 Wet temperature, 22.0
Dew-point, 22 R. humidity, 68 V. pressure, .183
Clouds: Amount, 5; Kind, Cu St; Direction, SW
Velocity of clouds (miles per hour)

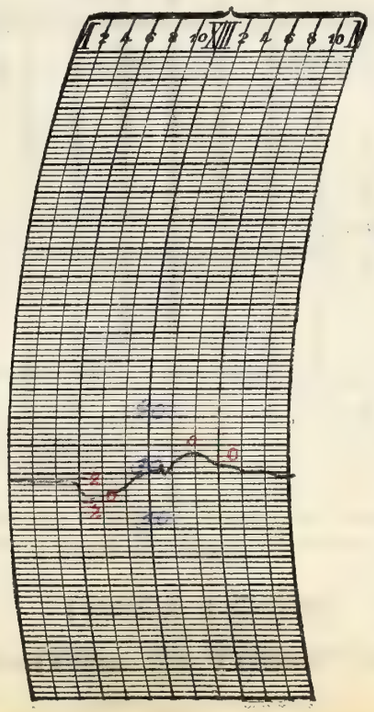
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



NOTES.

Early clear in earthen with morning lt at night
Light frost observed at 7 a.m.
Shoe & Planting use on main this morning

Prepared by
Verified by C. M. Donnegh

8—486

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JAN 2 1910, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 29 | 29 | 28 | 28 | 28 | 29 | [illegible] | 32 | 34 | 36 | 36 RB 10.30 | 37 | 37 | 37 RE | 34 | 39 | 39 | 39 | 40 | 40 | 36 RB 8:40 RE 8:45 | 35 | 34 | 33 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | – | – | – | – | | | | | | | – | | | |
| Cloudiness and other conditions | | | | | | | | Cloudy | | | | | | | Cloudy | | | | | | | | | |
| Sunrise: Time, Character, 7:06 Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 4:48 Character, Cloudy | | | |
| Moonrise: 4:28 Cloudy | | | | | | | | | | | | | | | | | | | | | Moonset: 6:42 Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | SE | SE | SE | E | E | E | E | SE | SE | SE | SE | SE | S | SE | S | S | SW | SW | S | SW | SW | SW | SW | SW |
| Wind movement | 4 | 4 | 5 | 6 | 6 | 7 | 6 | 8 | 10 | 9 | 10 | 8 | 10 | 10 | 11 | 11 | 10 | 9 | 10 | 11 | 10 | 10 | 12 | 10 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

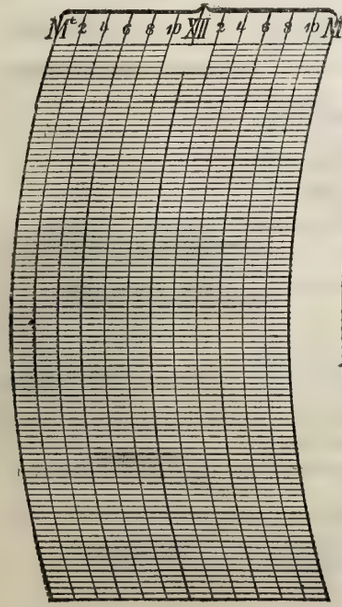
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 40 | 28 | 34 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .04 ins.
Total precipitation, midnight to midnight, .04 inches.
Character of day, Cloudy Moon phase Full- 8:22 p.
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 0
Prevailing wind direction, SE Total wind 244
Average hourly velocity, 4.2 Extreme velocity, 22
Maximum velocity, 21 Direction, SW
Time began, 8:18 p. m.
Reduced barometer, 30.08 7 a. m. 29.88 7 p. m.
River gage, 8.2 [illegible]
Relative humidity, 74 7 a. m. 82 7 p. m.

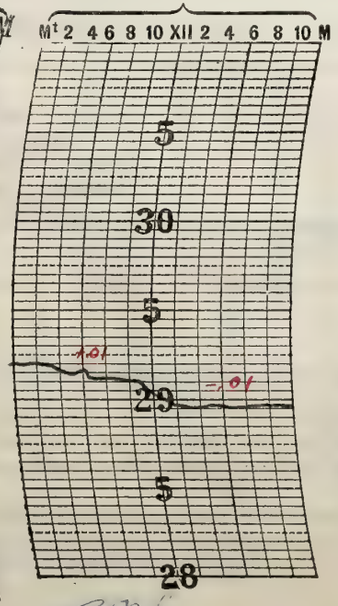
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 32.0 Wet temperature, 30.0
Dew-point, 25 R. humidity, 71 V. pressure, .203
Clouds: Amount, 9; Kind, Ast; Direction,
Velocity of clouds (miles per hour)

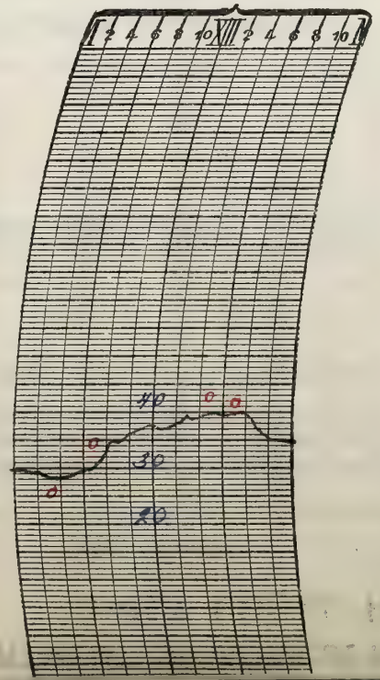
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




NOTES.

Cloudy, gloomy day with occasional light rain. Moon obscured by clouds at night. Moderate temperature prevailed, but as a rule the weather was unpleasant, with streets and sidewalks wet and sloppy.

Prepared by [illegible]

Verified by F. McDonough

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind, (Day of week) Wednesday, (Date) JAN - 1 1919, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 33 | 32 | 32 | 32 | 32 | 32 | 33 | 31 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 24 | 23 | 22 | 22 | 22 | 28 | 28 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | SNB 10:02 | | | | | | | SNE 5:15 | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Cloudy | | | | | | | | | | Cloudy | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | SW | SW | SW | SW | W | W | W | W | W | W | W | W | W | W | NW | | | NW | NW | NW | NW | NW | W | W |
| Wind movement | 16 | 15 | 14 | 14 | 11 | 12 | 14 | 13 | 13 | 14 | 14 | 13 | 11 | 12 | 12 | 12 | 13 | 10 | 13 | 12 | 8 | 6 | 3 | 2 |
| Maximum velocities (exceeding 27 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 7:06 Character, Cloudy
Moonrise: 5:28p Cloudy
Sunset: Time, 4:25 Character, Cloudy
Moonset: 7:11a Cloudy

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

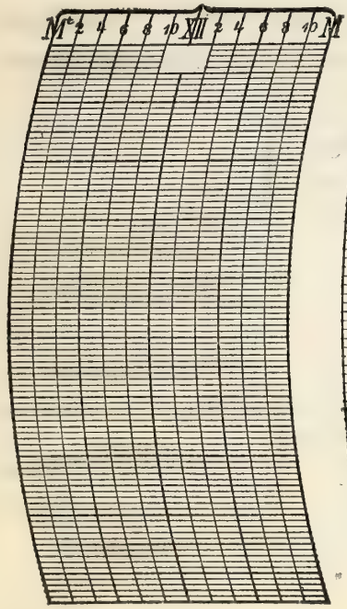
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 33 | 22 | 27 | |

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10),
Actual sunshine, hours, 0 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 0
Prevailing wind direction, W. N.W. Total wind 280
Average hourly velocity, 11.7 Extreme velocity, 28
Maximum velocity, 28 Direction, W.
Time began, 6:10 a.m.
Reduced barometer, 29.24 7 a. m. 7 p. m.
River gage, 6.8 feet
Relative humidity, 85 7 a. m. 7 p. m.

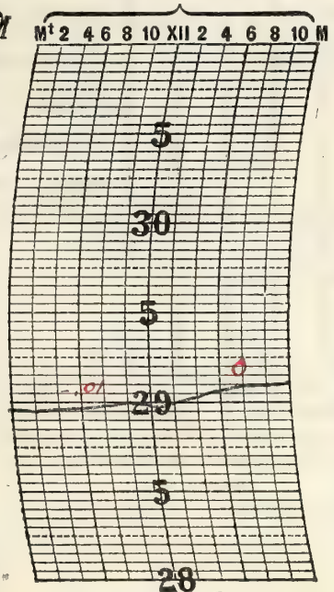
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 31.0 Wet temperature, 29.0
Dew-point, 26 R. humidity, 79 V. pressure, 1.36
Clouds: Amount, 10; Kind, Nb; Direction, W
Velocity of clouds (miles per hour)

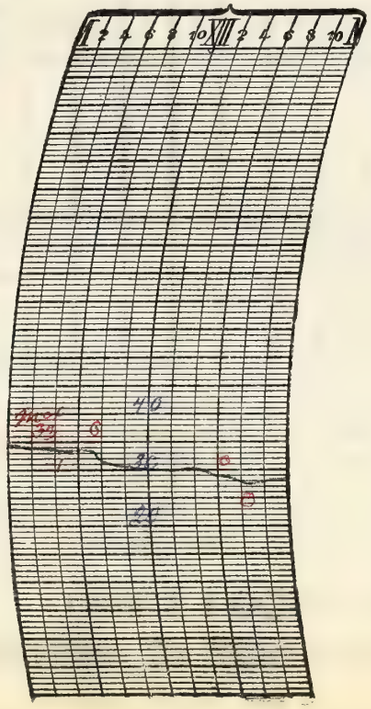
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by
Verified by P. McDonough

8—486

## NOTES.

A cloudy and cold day with very light wind. Snowing slightly toward the end of day - light snow.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) _____, (Date) _____, 192

Time (local standard). ____ mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 29 | 27 | 24 | 27 | 28 | 28 | | 24 | 30 | 30 | 30 | 30 | 31 | 32 | 32 | 32 | 32 | 32 | 3 | 31 | 32 | 33 | 33 | 33 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | SNB 10:10 | | | | | | | | | | | | SNE DNP | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | Cloudy | | | | | | | | Cloudy | | | | | | | | |
| Sunrise: Time, Character, Moonrise: | 7:06 Cloudy 6:03 Cloudy | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, Moonset: | 4:46 Cloudy 2:02a Cloudy | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | NW | SW | W | W | SW | SW | W | S | S | S | S | S | S | S | S | S | S | S | S | SW | SW | W | W | W |
| Wind movement | 4 | 6 | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 3 | 4 | 4 | 9 | 10 | 8 | 10 | 8 | 9 | 8 | 8 | 12 | 12 | 13 | 11 |
| Maximum velocities (exceeding 10 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

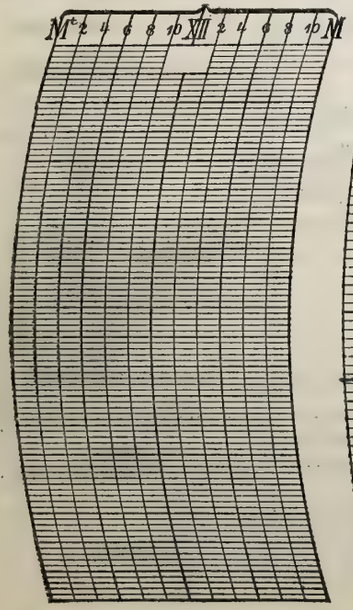
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 33 | 28 | 30 | |

Total depth of snow for 24 hours ending ____ p. m., 0.1 inches.
Snow, sleet, and hail on ground ____ p. m., 0.1 inches.
Total snowfall, midnight to midnight, 0.2 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0.1 ins.
Total precipitation, midnight to midnight, 0.02 inches.
Character of day, Cloudy Moon phase, _____
Average daily cloudiness (0–10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 0
Prevailing wind direction, S Total wind 240
Average hourly velocity, 9.4 Extreme velocity, 19
Maximum velocity, 18 Direction, W
Time began, 10:23 P.M.
Reduced barometer, 29.03 7 a. m. 28.94 7 p. m.
River gage, 6.0 Fall
Relative humidity, _____ 7 a. m. 82 7 p. m.

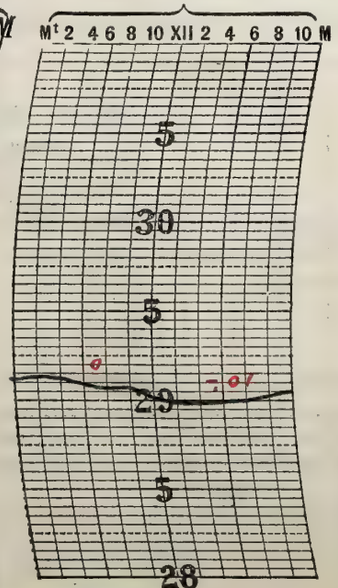
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 30.8 Wet temperature, 29.7
Dew-point, 28 R. humidity, 88 V. pressure, .160
Clouds: Amount, 10; Kind, Nb; Direction, S
Velocity of clouds (miles per hour) _____

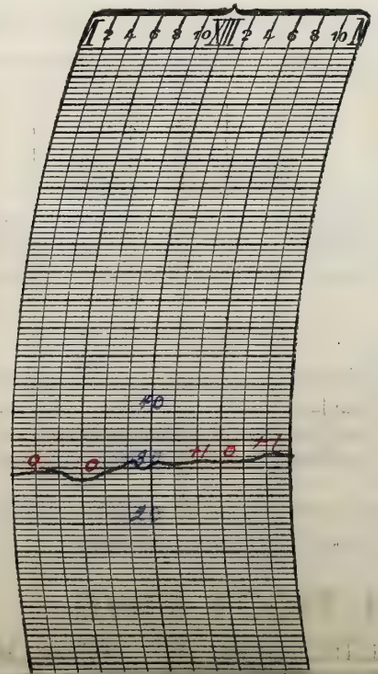
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




NOTES.

A cloudy and cold day with light frost over Allen County from the late morning hours until the late night.

Prepared by _____

Verified by P. McDonough

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Friday, (Date) JAN - 5 1923, 192

| Time (local standard). 24th mer. normal time. | A. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 32 | 31 | 30 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 31 | 31 | 32 | 31 | 30 | 29 | 29 | 29 | 29 | 29 | 28 | 28 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | S 7-13 10-00 | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← | Cloudy | | | | | | | Cloudy | | | | | | | | | |
| Sunrise: Time, 7:06 Character, Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 4:58 Character, Cloudy | | | |
| Moonrise: 7:29a Cloudy | | | | | | | | | | | | | | | | | | | | | Moonset: 8:42a Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | W | W | W | W | W | W | NW | NW | NW | NW | W | W | W | W | W | NE | NE | NE | E | NE | NE | NE | NE | NE |
| Wind movement | 15 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 9 | 8 | 6 | 6 | 5 | 4 | 4 | 7 | 6 | 6 | 5 | 5 | 12 | 12 | | |
| Maximum velocities (exceeding ___ miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

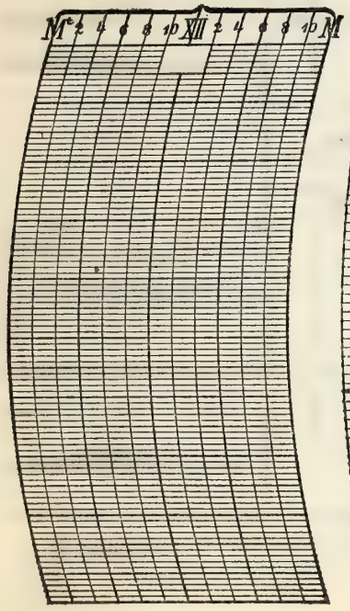
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 33 | 28 | 30 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., ___ inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., .01 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, ___ inches.
Character of day, Cloudy Moon phase, ___
Average daily cloudiness (0-10), ___
Actual sunshine, hours, 0 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 0
Prevailing wind direction, ___ Total wind ___
Average hourly velocity, 2.8 Extreme velocity, ___
Maximum velocity, 23 Direction, ___
Time began, ___
Reduced barometer, 29.___ 7 a. m. ___; 7 p. m.
River gage, 5.8 Fall
Relative humidity, ___ 7 a. m. ___ 7 p. m.

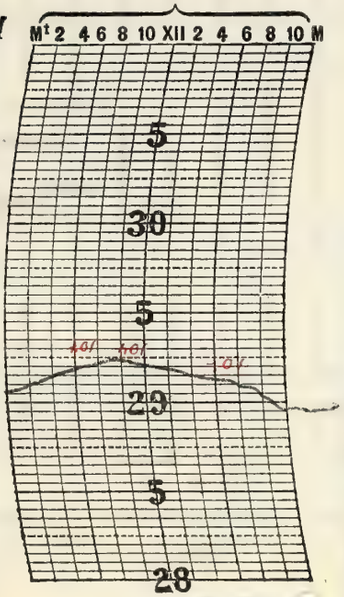
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 28.7 Wet temperature, 26.0
Dew-point, 21 R. humidity, 70 V. pressure, .108
Clouds: Amount, 10; Kind, St; Direction, NW
Velocity of clouds (miles per hour)

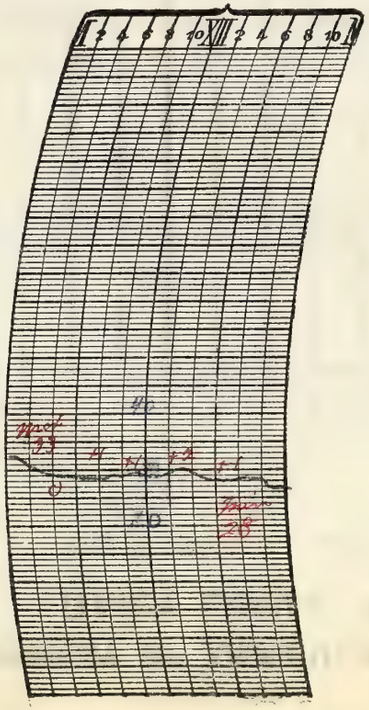
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by ___
Verified by S. McDonough

8—486

NOTES.

8 Estimated.

Sunrise 12:00 Noon (23d) Minimum Temperature 28 Degrees Fahrenheit
Chicago Clear
Cold day with
Heavy Frost

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard)..... mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 28 | 28 | 26 | 26 | 25 | 25 | | 24 | 23 | 23 | 24 | 23 | 23 | 24 | 24 | 22 | 20 | 21 | | 20 | 20 | 20 | 20 | 23 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← | Cloudy | × | Cloudy | | | | | | | | | | | | | | |

Sunrise: Time, Character, 7:06 Cloudy
Moonrise: 8:42a Cloudy

Sunset: Time, Character, 4:28 Cloudy
Moonset: 9:22p Cloudy

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sunshine (in tenths of hours) | | | | | | | | 0 | | 7 | | | 0 | 0 | 0.1 | 0 | 0 | | | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | N | N | NE | NE | NE | NE | E | E | E | NE | E | E | E | E | E | E | E | |
| Wind movement | 17 | 17 | 16 | 16 | 13 | 13 | 10 | 9 | 8 | 8 | 10 | 10 | 14 | 9 | 9 | 10 | 9 | 8 | 11 | 10 | 9 | 9 | 9 | 8 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

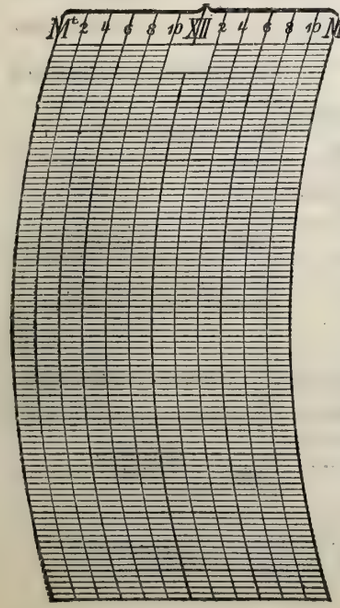
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 28 | 20 | 24 | |

Total depth of snow for 24 hours ending 7 a. m., 6.5 inches.
Snow, sleet, and hail on ground 7 a. m., 6.5 inches.
Total snowfall, midnight to midnight, _____ inches.
Precipitation to 7 a. m., .54 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, _____ inches.
Character of day, Cloudy Moon phase, _____
Average daily cloudiness (0–10), 6
Actual sunshine, hours, 2.1 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 22
Prevailing wind direction, NE to E Total wind, 304
Average hourly velocity, 12.7 Extreme velocity, 21
Maximum velocity, @ 20 Direction, NE
Time began, 11:34 a.m.
Reduced barometer, 30.02 7 a. m. 30.17 7, p. m.
River gage, _____
Relative humidity, _____ a. m. 65 p. m.

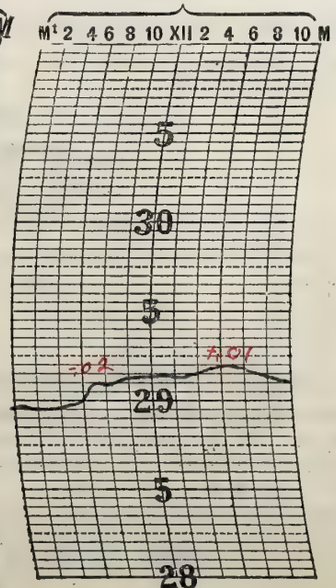
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 23.0 Wet temperature, 21.5
Dew-point, 18 R. humidity, 70 V. pressure, .083
Clouds: Amount, 9; Kind, Cu; Direction, N
Velocity of clouds (miles per hour)

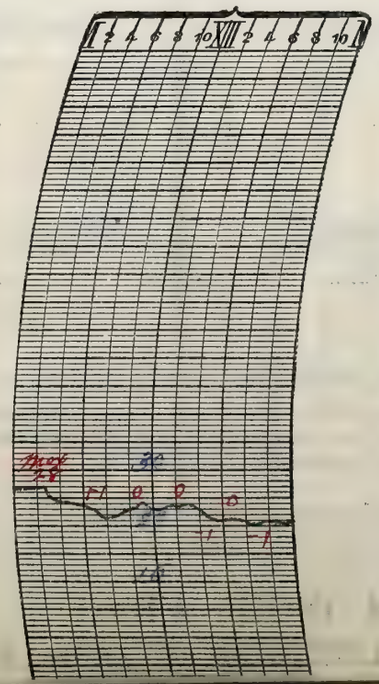
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by _____
Verified by P. McDonough

NOTES.

@ Estimated not for 18 Hrs. 2:

Snowfall & [illegible]
Shows & light flurries are in
town this morning
At least 12:00 Mon. (26th to Tuesday
(June) observation was missed by observer
& was sent about 7 p. m. Tuesday
Snow collected inside of the
rain gauge last night causing a
short account. Fine morning expected
& [illegible]
a cloudy and cold day

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind, (Day of week) Sunday, (Date) JAN 7 1923, 192

Time (local standard). 90 mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 20 | 21 | 21 | 22 | 23 | 23 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 29 | 29 | 29 | 27 | 29 | 27 | 27 | 27 | 28 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | 5:26 12:06 | | | | | | | | | | | 5:55 6:00 |
| Amounts of precipitation | | | | | | | | | | | | | - | - | - | - | - | - | - | - | - | - | - | - |
| Cloudiness and other conditions | | | | | | | ← | | Cloudy | | | | | | Cloudy | | | | → | | | | | |
| Sunrise: Time, 7:06 Character, Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: 9:55 p Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, 4:29 Character, Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Moonset: 2:45 Pa Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | E | E | E | E | SE | E | E | E | E | E | E | E | E | E | E | E | E | E | NE | NE | NE | NE | N | N |
| Wind movement | 8 | 7 | 7 | 7 | 4 | 6 | 6 | 8 | 10 | 8 | 8 | 7 | 9 | 10 | 9 | 8 | 7 | 7 | 7 | 9 | 7 | 7 | 6 | 5 |
| Maximum velocities (exceeding ___ miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

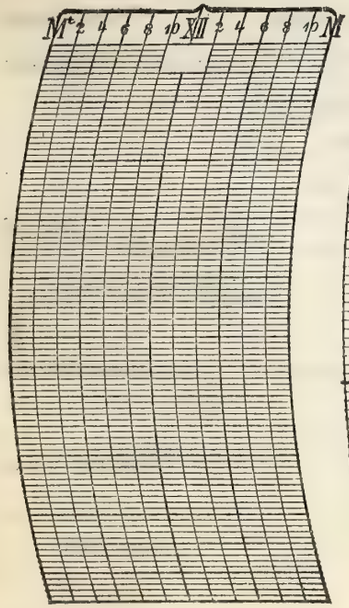
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 30 | 20 | 25 | |

Total depth of snow for 24 hours ending 7 p. m., 1.0 inches.
Snow, sleet, and hail on ground 7 p. m., 1.0 inches.
Total snowfall, midnight to midnight, 1.0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .10 ins.
Total precipitation, midnight to midnight, .10 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 0
Prevailing wind direction, E Total wind 173
Average hourly velocity, 7.4 Extreme velocity, 12
Maximum velocity, 12 Direction, E
Time began, 8 2:10 a.m.
Reduced barometer, 29.95 7 a. m. 29.67 7 p. m.
River gage, 4.5 Fall
Relative humidity, 92 7 a. m. 82 p. m.

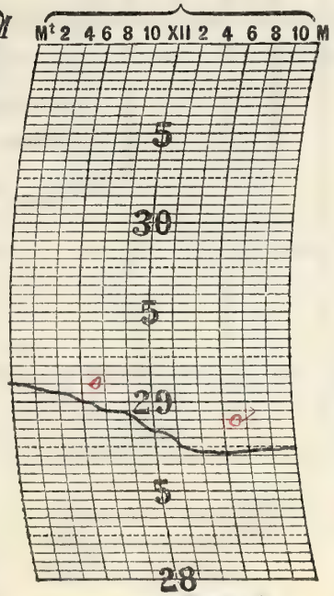
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 22.0 Wet temperature, 20.0
Dew-point, 24 R. humidity, 88 V. pressure, 1.57
Clouds: Amount, 10; Kind, St; Direction, 1
Velocity of clouds (miles per hour)

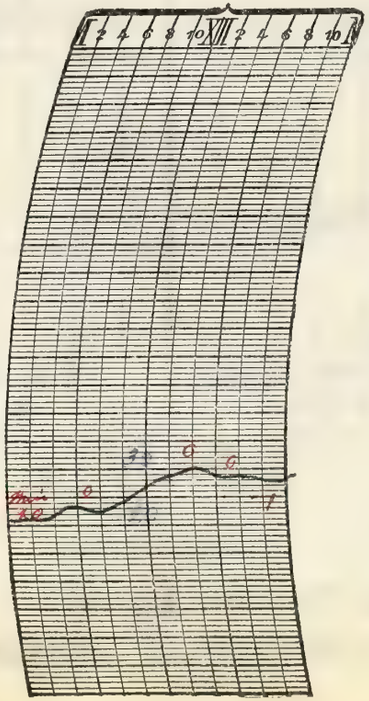
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




NOTES.

Slow and light flooding was observed this morning. The forecast of snow was given to the telephone and transportation companies as soon as this was received. Snow started shortly after noon ended about midnight.

Prepared by

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(*Station*) Fort Wayne, Ind., (*Day of week*) Wed., (*Date*) Jan 6 1923, 192

Time (local standard)..... mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 28 | 28 | 28 | 28 | 29 | 29 | 30 | 30 | 30 | 31 | 31 | 31 | 32 | 32 | 32 | 32 | 33 | 33 | 34 | 34 | 35 | 35 | 35 | 35 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | V | 4:28 4:48 — | | NE 6:20 | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | — | — | — | | | | | |
| Cloudiness and other conditions | | | | | | | | | | Cloudy | | | | | Cloudy | | | | | | | | | |
| Sunshine (in tenths of hours) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | NW | NW | NW | NW | NW | NW | W | SW | SW | SW | SW | SW | SW | SW | SW | S | S | SE | S | S | S | S | S | S |
| Wind movement | 6 | 8 | 10 | 8 | 8 | 8 | 6 | 6 | 6 | 6 | 6 | 6 | 14 | 14 | 14 | 12 | 12 | 10 | 10 | 8 | 8 | 8 | 6 | 6 |
| Maximum velocities (exceeding ... miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 7:06 Character, Cloudy
Moonrise: 10:30 P

Sunset: Time, 4:59 Character, Cloudy
Moonset: 10:13 A Cloudy

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

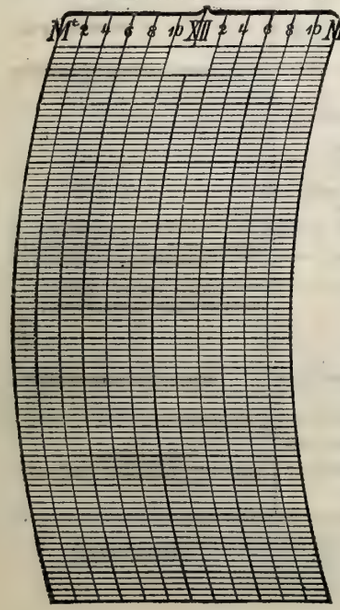
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 35 | 28 | 32 | |

Total depth of snow for 24 hours ending ... p. m., 1.3 inches.
Snow, sleet, and hail on ground ... p. m., 2.5 inches.
Total snowfall, midnight to midnight, .6 inches.
Precipitation to 2 a. m., .02 ins.; to 2 p. m., .05 ins.
Total precipitation, midnight to midnight, .05 inches.
Character of day, Cloudy Moon phase, ...
Average daily cloudiness (0–10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 0
Prevailing wind direction, SW. Total wind 423
Average hourly velocity, 8.7 Extreme velocity, 21
Maximum velocity, 18 Direction, S
Time began, 3:42 p.m.
Reduced barometer, 29.88 a. m. 29.67, p. m.
River gage, ... Datum
Relative humidity, 78 a. m. 82 p. m.

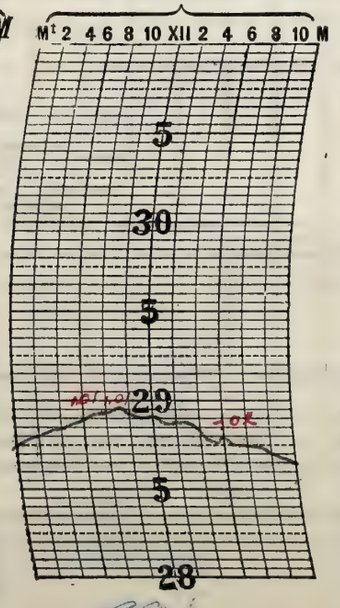
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 31.3 Wet temperature, 29.6
Dew-point, 27 R. humidity, 82 V. pressure, .143
Clouds: Amount, 10; Kind, St; Direction, SW.
Velocity of clouds (miles per hour) ...

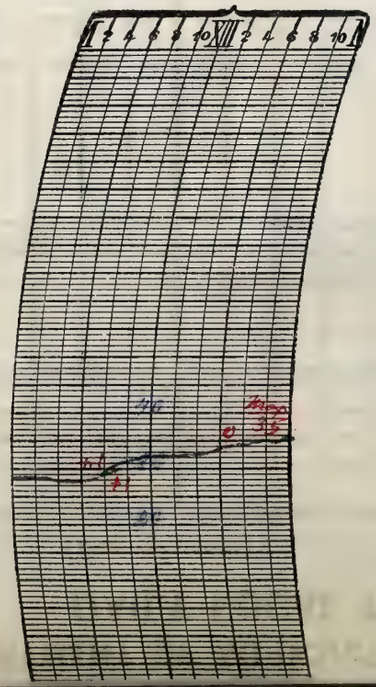
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



*Prepared by* ...
*Verified by* P McDonough

## NOTES.

Rainfall at 7:00 a.m. - 1.3
Snow on ground at 7:00 a.m. 2.3
Light flooding rain
at times of the morning
in early day with moderate
temperatures and light winds to
East of Center

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JAN -9 1923, 192

Time (local standard). 90 mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 35 | 34 | 34 | 33 | 33 | 33 | 32 | 32 | 32 | 31 | 31 | 30 | 30 | 29 | 29 | 28 | 28 | 27 | 27 | 27 | 27 | 26 | 25 | 24 |
| State of weather. Nature of precipitation and time of beginning and ending | | INTERMIT | | | | | | | S-13 8:05 | | | | | | | | | | | | SME DRIZ | | | |
| Amounts of precipitation | | — | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← Cloudy | | | | | | | | | | Cloudy → | | | | | | | |

Sunrise: Time, 7:06 Character, Cloudy. Moonrise: —

Sunset: Time, 4:32 Character, Cloudy. Moonset: 11:29 Cloudy

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Sunshine (in tenths of hours) | | | | | | | 0 | | | | | | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | SW | W | NW | NW | NW | NW | NW | W | W | W | W | W | W | NW | NW | W | W | W | W | W | W | W | W | W |
| Wind movement | 11 | 12 | 14 | 16 | 17 | 18 | 14 | 3 | 15 | 6 | 10 | 20 | 21 | 21 | 19 | 20 | 19 | 19 | 21 | 16 | 16 | 14 | 14 | 14 |
| Maximum velocities (exceeding 25 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| | Total duration. | | Total amount of precipitation. | Excessive rate. | | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | From— | To— | | Began— | Ended— | | 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

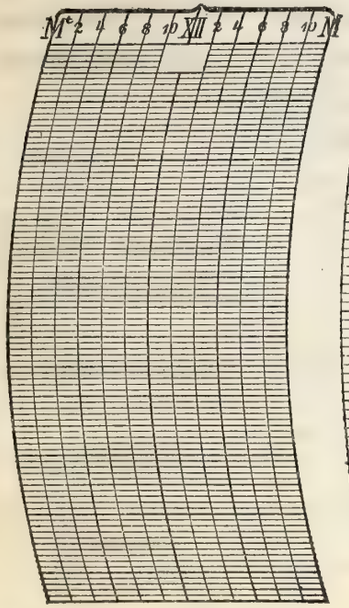
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 35 | 23 | 29 | |

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 5.0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., .02 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .02 inches.
Character of day, Cloudy Moon phase, L.Q. 5 p.m.
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 0
Prevailing wind direction, W Total wind 328
Average hourly velocity, 16.4 Extreme velocity, 27
Maximum velocity, 25 Direction, W
Time began, 3:45 p.m.
Reduced barometer, 29.6 a. m. 29.07 p. m.
River gage, 7.0 ft. 8 a.m.
Relative humidity, 90 7 a. m. 84 7 p. m.

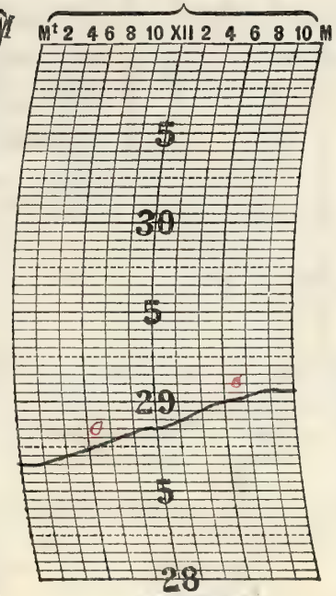
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 32.0 Wet temperature, 30.5
Dew-point, 28 R. humidity, 85 V. pressure, .10.0
Clouds: Amount, 10; Kind, Nb; Direction, NW.
Velocity of clouds (miles per hour)

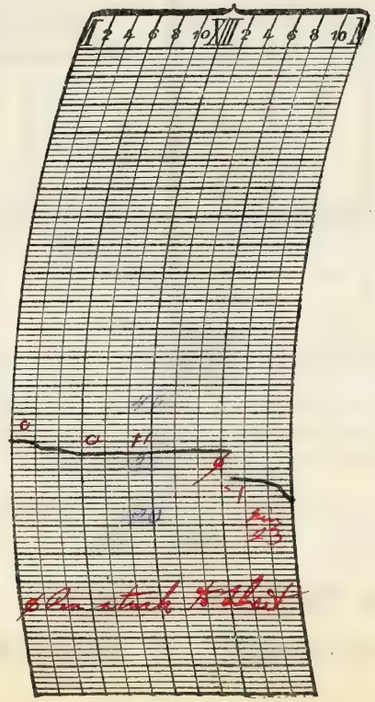
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




NOTES.

A Cloudy day with moderately low temperature and light snow.

Prepared by

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(*Station*) Fort Wayne, Ind., (*Day of week*) ..., (*Date*) ..., 192

Time (local standard). 90° mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 22 | 21 | 21 | 20 | 20 | 20 | [illegible] | 20 | 21 | 23 | 25 | [illegible] | 26 | 26 | 26 | 26 | 26 | 26 | 24 | 23 | 23 | 22 | [illegible] | [illegible] |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | SNB 12:44 | SNE 1:58 | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | — | — | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | Cloudy | → | Pt. Cloudy | | | → | Pt. Cloudy | → | → | → | → | Cloudy | → | → | → | | |
| Sunrise: Time, Character, 7:06a Cloudy. Moonrise: 12:13a | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:22 Cloudy. Moonset: 11:45a Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | W | W | W | W | W | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | NW | NW | NW | [illegible] | [illegible] | [illegible] | N | NW | [illegible] | [illegible] | [illegible] | [illegible] |
| Wind movement | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| Maximum velocities (exceeding [illegible] miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

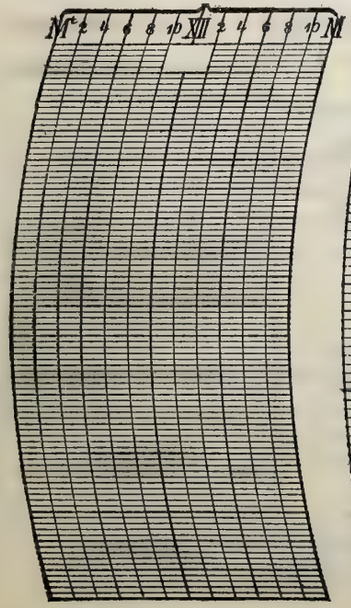
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 27 | 20 | 24 | |

Total depth of snow for 24 hours ending 7 a. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 4.7 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy. Moon phase,
Average daily cloudiness (0–10), 6
Actual sunshine, hours, 0 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 0
Prevailing wind direction, W Total wind 220
Average hourly velocity, 8.6 Extreme velocity, 19
Maximum velocity, 18 Direction, W
Time began, 1:03a
Reduced barometer, 7 a. m. 29.14 7, p. m.
River gage, 3.15
Relative humidity, 78 7 a. m. 57 7 p. m.

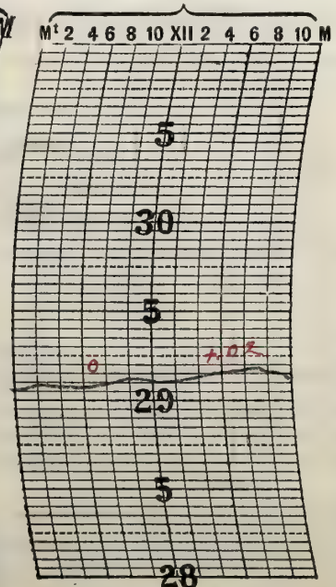
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 25.0 Wet temperature, 22.3
Dew-point, 16 R. humidity, 67 V. pressure, .086
Clouds: Amount, 5; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

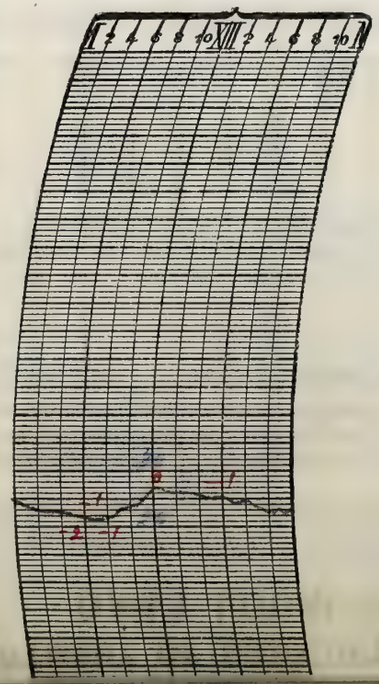
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




NOTES.

Snowfall 6 p.m. — T
Light sleet, ice on wires this morning
Cloudy, snowy and cold all day

*Prepared by* .....
*Verified by* O. McDonough

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JAN 17 1907, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 19 | 18 | 19 | 19 | 20 | 21 | 23 | 26 | 29 | 31 | 34 | 36 | 40 | 42 | 41 | 40 | 39 | 37 | 36 | 34 | 33 | 32 | 32 | 32 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← Cloudy | | × M. Cloudy | | | | — Pt. Cloudy | | | | | | | | | | | |
| Sunrise: Time, Character, 7:05 Cloudy. Moonrise: 1:22a | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:33 Cloudy. Moonset: 12:24a Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 | | | | | | | |
| Wind direction | S | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | S | S | SW | SW | SW | SW | W | W | W | W | W | W |
| Wind movement | 4 | 4 | 5 | 5 | 6 | 7 | 7 | 9 | 10 | 8 | 7 | 6 | 7 | 7 | 12 | 13 | 14 | 10 | 12 | 11 | 22 | 15 | 18 | 20 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

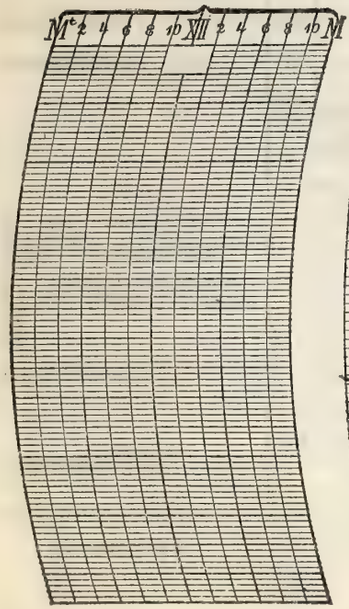
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 42 | 18 | 31 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 3.8 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy. Moon phase,
Average daily cloudiness (0–10),
Actual sunshine, hours, 11.2 Possible sunshine, hours, 20.5
Per cent of possible sunshine, 44
Prevailing wind direction, S Total wind, 266
Average hourly velocity, 11.1 Extreme velocity, 26
Maximum velocity, 26 Direction,
Time began, 8:00
Reduced barometer, 29.85 7 a. m. 29.60 7 p. m.
River gage, 3.4 Feet.
Relative humidity, 74 7 a. m. 80 7 p. m.

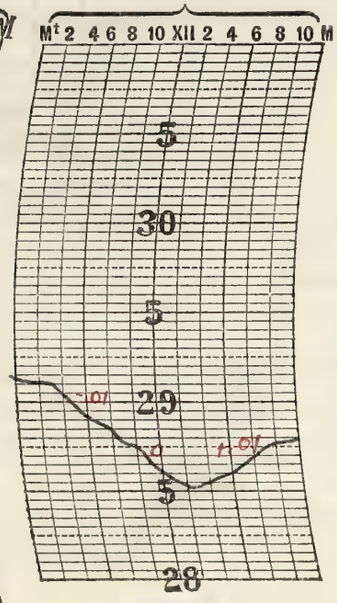
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 36.2 Wet temperature, 33.0
Dew-point, 28 R. humidity, 72 V. pressure, 0.10
Clouds: Amount, 4; Kind, Cu; Direction,
Velocity of clouds (miles per hour)

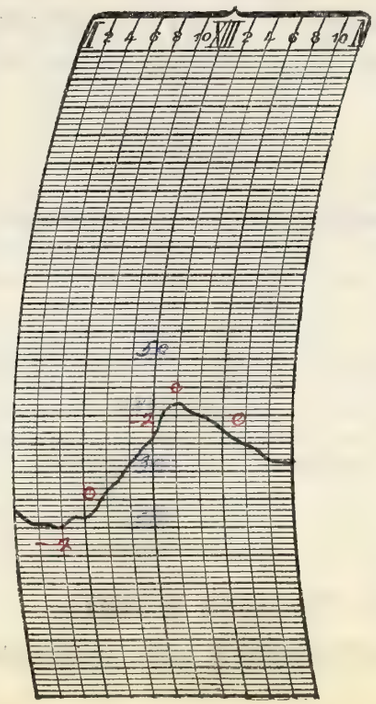
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by

Verified by C. McDonough

8—486

NOTES.

Eye observation

Service 1.00 p.m. (75th Meridian Time) Operation discontinued at Chicago on account of decreasing forces.

A fifty cloudy day with mild temperatures.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JAN 15 1909, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 31 | 30 | 28 | 28 | 27 | 26 | 24 | 22 | 22 | 22 | 22 | 23 | 24 | 24 | 25 | 24 | 24 | 24 | 23 | 23 | 23 | 23 | 22 | 22 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | S M B 9:20 | | | | | S E 2:18 | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | – | – | – | – | – | – | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← | | Cloudy | | | | | | Cloudy | | | | | | | | | → |
| Sunrise: Time, Character, | 7:05 Cloudy | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: | 2:28a | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, Character, | | | | | | | | | | | | | | | | | | | | | 4:34 Cloudy | | | |
| Moonset: | | | | | | | | | | | | | | | | | | | | | 1:04a Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | NW | W | W | W | W | W | W | W | W | W | W | | W | W | W | W | W | W | W | W | SW | SW | SW | SW |
| Wind movement | 18 | 22 | 20 | 19 | 16 | 18 | 18 | 16 | | | | | 16 | 19 | 19 | 18 | 13 | 11 | 6 | 6 | 8 | 7 | 6 | 9 |
| Maximum velocities (exceeding 20 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| | Total duration. | | Total amount of precipitation. | Excessive rate. | | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | From— | To— | | Began— | Ended— | | 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

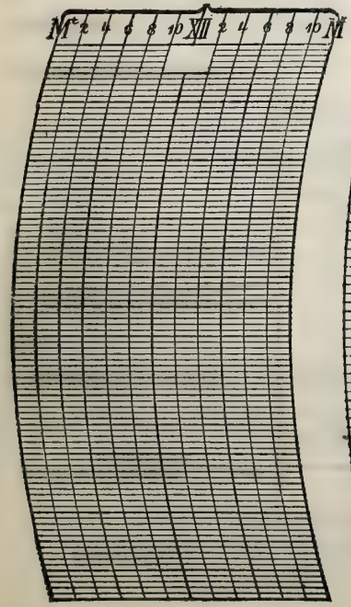
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 32 | 22 | | |

Total depth of snow for 24 hours ending ___ p. m., T inches.
Snow, sleet, and hail on ground T p. m., 3.6 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 2 a. m., 0 ins.; to 2 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase, ___
Average daily cloudiness (0–10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.5
Per cent of possible sunshine, 0
Prevailing wind direction, W. Total wind 329
Average hourly velocity, 13.7 Extreme velocity, 28
Maximum velocity, 26 Direction, W
Time began, 2:02 p. m.
Reduced barometer, 29.97 7 a. m. 30.23 2 p. m.
River gage, 3.2 ft.
Relative humidity, 71 a. m. 72 p. m.

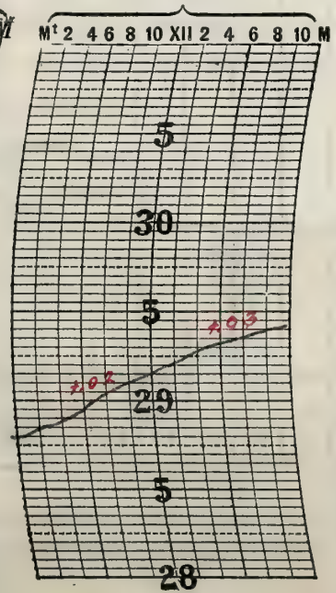
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 22.7 Wet temperature, 21.3
Dew-point, 18 R. humidity, 81 V. pressure, .093
Clouds: Amount, 10; Kind, Nb; Direction, W
Velocity of clouds (miles per hour)

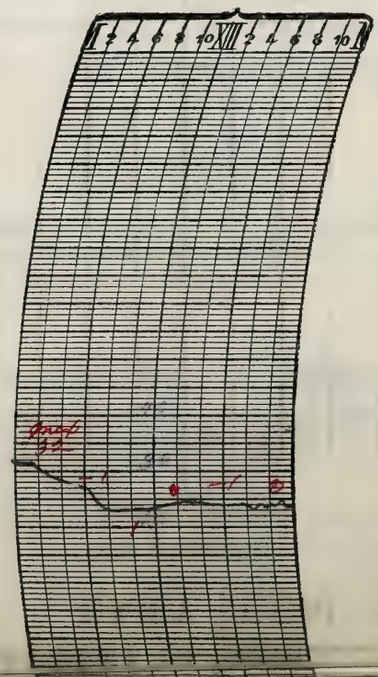
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by C C S
Verified by C McDonough

## NOTES.

A cloudy and cold day with very light mist snow from the late morning until the evening.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JAN 13 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 22 | 21 | 20 | 19 | 19 | 19 | 26 | 21 | 24 | 27 | 29 | 33 | 34 | 34 | 35 | 34 | 33 | 33 | 32 | 33 | 33 | 37 | 35 | 32 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | SW B 8:00 | SE 9:55 | SE | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | Clear | | | | | + Pt. Cloudy | | | | | | | | | | | |
| Sunrise: Time, Character, | 7.05 Clear | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: | 3.33a | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, Character, | | | | | | | | | | | | | | | | | | | | | 4.35 Cloudy | | | |
| Moonset: | | | | | | | | | | | | | | | | | | | | | 1.02a Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | | | .92 0. | 0.6 0.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0 | 0 | | | | | | | |
| Wind direction | SW | SW | SW | SW | SE | SE | S | S | S | S | S | S | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE |
| Wind movement | 0 | 3 | 2 | 2 | 3 | 4 | 6 | 7 | 8 | 10 | 10 | 9 | 6 | 8 | 6 | 6 | 6 | 6 | 6 | 7 | 8 | 7 | 7 | 6 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

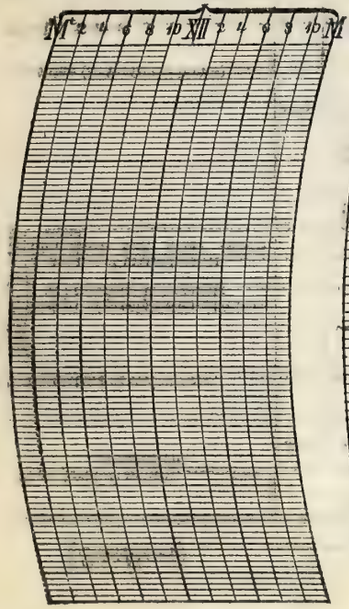
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 36 | 19 | 28 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 2 inches.
Total snowfall, midnight to midnight, ____ inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, ____ inches.
Character of day, Cloudy Moon phase, ____
Average daily cloudiness (0–10), ____
Actual sunshine, hours, 6.6 Possible sunshine, hours, 9.5
Per cent of possible sunshine, 69
Prevailing wind direction, SE Total wind 154
Average hourly velocity, 6.4 Extreme velocity, 17
Maximum velocity, 23 Direction, S
Time began, 9.41a
Reduced barometer, 30.40 a. m. ____, p. m.
River gage, 3.4 Feet
Relative humidity, 91 a. m. 64 p. m.

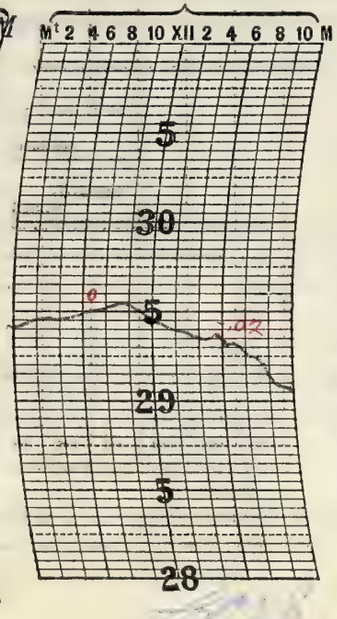
### OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 31.4 Wet temperature, 28.0
Dew-point, 25 R. humidity, 75 V. pressure, .130
Clouds: Amount, 3; Kind, AST; Direction, W
Velocity of clouds (miles per hour) ____

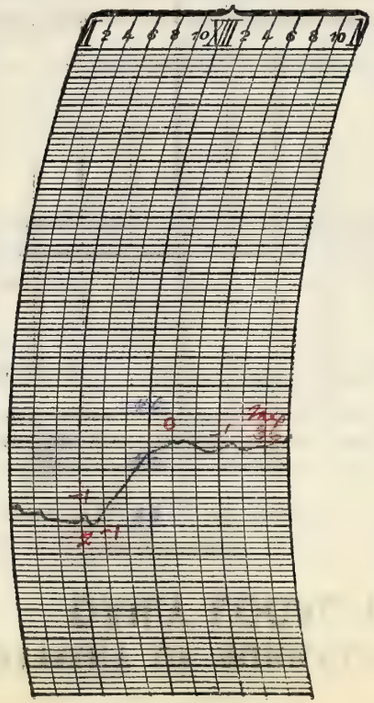
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by ____

Verified by P. McDonough

8—486

## NOTES.

1 Fair to
2 Mostly cloudy day with
3 Mostly fair

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) June 11, 1922, 192

Time (local standard). 90° mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 36 | 34 | 40 | 41 | 43 | 43 | 43 | 43 | 43 | 42 | 38 | 36 | 34 | 34 | 34 | 34 | 33 | 32 | 32 | 33 | 33 | 33 | 33 | 32 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | 10:45 | | | | | | | | | 7:15 | | | 0:40 | |
| Amounts of precipitation | — | — | — | — | — | — | — | — | — | — | — | | | | | | | | | — | — | — | — | |
| Cloudiness and other conditions | | | | | | | ← | Cloudy | | | | | | | | Cloudy | | | | | | | | |

Sunrise: Time, 5:04 a. m. Character, Cloudy. Moonrise: 10:32 p. m.

Sunset: Time, 8:43 p. m. Character, Cloudy. Moonset: 2:43 a. m. Cloudy

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0 | | | | 0.2 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | SE | SE | S | SW | SW | SW | SW | SW | SW | S | S | S | W | W | W | W | W | W | W | W | W | W | | |
| Wind movement | 4 | 7 | 9 | 10 | 15 | 16 | 16 | 13 | 13 | | | | 24 | 22 | 21 | 21 | 23 | 23 | 21 | 19 | 17 | 17 | 9 | 9 |
| Maximum velocities (exceeding 27 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

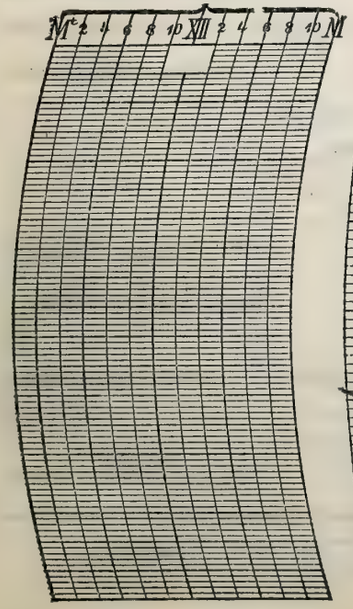
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 43 | 33 | 38 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 0 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .22 ins.; to 7 p. m., .00 ins.
Total precipitation, midnight to midnight, .22 inches.
Character of day, Overcast. Moon phase,
Average daily cloudiness (0-10),
Actual sunshine, hours, 0.2 Possible sunshine, hours, 9.5
Per cent of possible sunshine, 2
Prevailing wind direction, W Total wind 4412
Average hourly velocity, 10.1 Extreme velocity, 27
Maximum velocity, 27 Direction, W
Time began, 12:58 p. m.
Reduced barometer, 29.70 a. m. 29.09 p. m.
River gage, 4.15 feet
Relative humidity, 82 7 a. m. 80 7 p. m.

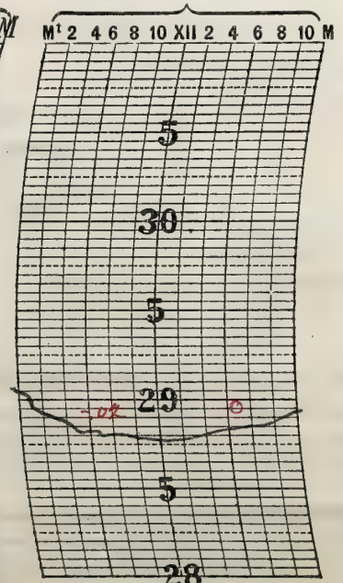
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 39.5 Wet temperature, 38.0
Dew-point, 36 R. humidity, 88 V. pressure, 2.11
Clouds: Amount, 10; Kind, St Cu.; Direction, W
Velocity of clouds (miles per hour)

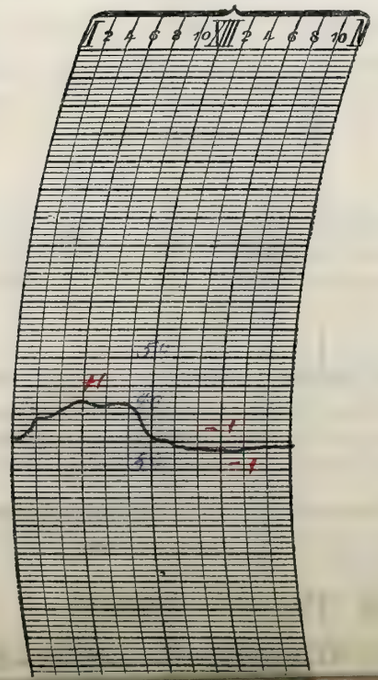
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by

Verified by P. McDonough

## NOTES.

Cloudy, with light rain in the forenoon and at night. Although the temperature was moderately high for the day, the weather was rather unpleasant with penetrating westerly winds. Those who left the streets and sidewalks icy here and there, making walking rather precarious.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Sunday, (Date) JAN 15 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 34 | 34 | 34 | 34 | 35 | 35 | 35 | 34 | 34 | 33 | 33 | 34 | 34 | 34 | 35 | 34 | 33 | 33 | 32 | 32 | 31 | 31 | 30 | 30 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Cloudy | | | | | | x-M.Cldy x- | | | | Clear | | | | | | | |
| Sunrise: Time, Character, 7:04 Cloudy; Moonrise: 5:31a | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:32 Clear; Moonset: 3:38p Clear | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | | | | | 0 | 0 | 0 | 0.3+62 | | | | | | | | |
| Wind direction | W | W | W | W | W | W | W | W | SW | SW | SW | W | W | W | NW | NW | NW | NW | W | W | W | W | W | W |
| Wind movement | 16 | 16 | 16 | 16 | 17 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 21 | 21 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| | Total duration. | | Total amount of precipitation. | Excessive rate. | | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | From— | To— | | Began— | Ended— | | 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

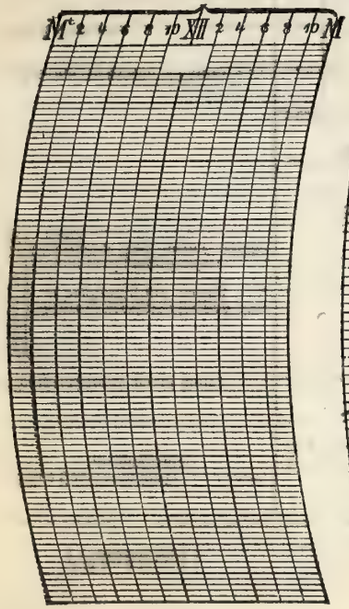
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 35 | 30 | 32 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 2.6 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .01 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 3.1 Possible sunshine, hours, 9.6
Per cent of possible sunshine, 32
Prevailing wind direction, W. Total wind 411
Average hourly velocity, 10.2 Extreme velocity, 31
Maximum velocity, 28 Direction, NW
Time began, 3:32 pm
Reduced barometer, 30.03 7 a. m. 30.10 7 p. m.
River gage,
Relative humidity, 77 7 a. m. 68 7 p. m.

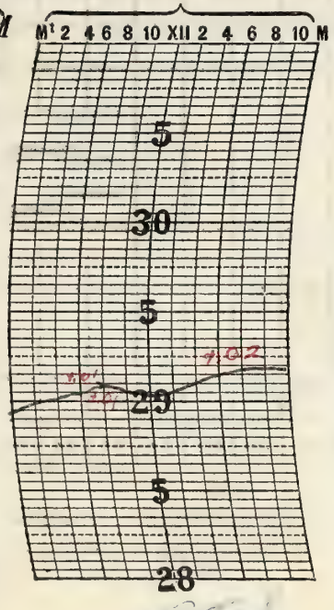
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 33.1 Wet temperature, 30.2
Dew-point, 26 R. humidity, 72 V. pressure, 13.6
Clouds: Amount, 10; Kind, Cu.; Direction,
Velocity of clouds (miles per hour)

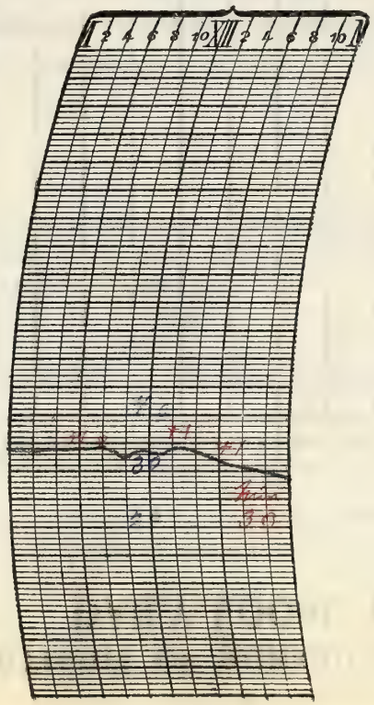
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




NOTES.

Snow was present at 7:00 a.m. a Sunday day with slowly falling temperatures

Prepared by

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JAN 18 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 34 | 39 | 40 | 41 | 42 | 43 | 44 | 44 | 46 | 47 | 48 | 49 | 46 | 45 | 44 | 42 | 41 | 40 | 39 | 36 | 34 | 33 | 30 | 28 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← Cloudy → | | | | | | ← Cloudy → | | | | | | ← Pt. Cloudy → | | ← Clear → | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0 | 0.8 | 0.8 | 2 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | W | W | W | | | | W | | | | |
| Wind movement | 27 | 25 | 25 | 24 | 21 | 20 | 21 | 21 | 25 | 28 | 32 | 32 | 26 | 22 | 18 | 18 | 16 | 13 | | | | | | |
| Maximum velocities (exceeding 32 miles) direction and time | | | | | | | | | | 32 SW 9:00 | 38 SW 10:18 | | 31 SW noon | | | | | | | | | | | |

Sunrise: Time, 7:03 Character, Cloudy
Moonrise: 2:42a Cloudy

Sunset: Time, 4:41 Character, Cloudy
Moonset: 6:35a Cloudy

| | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

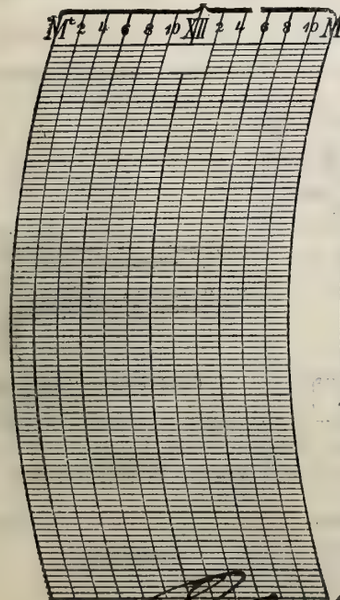
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 50 | 28 | 39 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0.4 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 9
Actual sunshine, hours, 1.6 Possible sunshine, hours, 9.6
Per cent of possible sunshine, 17
Prevailing wind direction, SW Total wind 402
Average hourly velocity, 16.7 Extreme velocity, 40
Maximum velocity, 32 Direction, SW
Time began, 10:18a
Reduced barometer, 29.22 7 a. m. 30.11 7, p. m.
River gage, 6.2 Feet
Relative humidity, 56 7 a. m. 64 7 p. m.

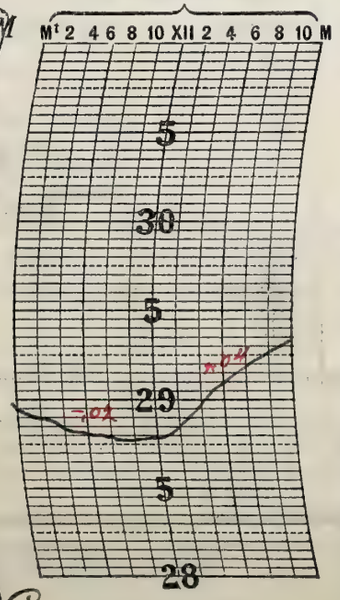
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 49.8 Wet temperature, 43.8
Dew-point, 37 R. humidity, 62 V. pressure, .219
Clouds: Amount, 10; Kind, Ast; Direction, W
Velocity of clouds (miles per hour)

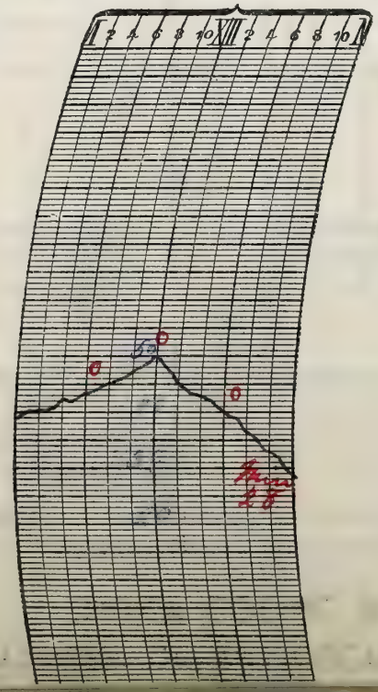
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by O. S.
Verified by J. McDonough

## NOTES.

A cloudy day with mild temperatures which caused an rapid melting of the snow cover.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JAN 19 1923, 192

Time (local standard). 75 mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 26 | 25 | 24 | 24 | 23 | 23 | 27 | 23 | 25 | 27 | 30 | 29 | 33 | 34 | 36 | 35 | 34 | 25 | 34 | 33 | 35 | 34 | 33 | 30 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← Clear - x - Pt. Cloudy | | | | | | Pt. Cloudy - x - Clear | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | | .9 | 1.0 | 0.9 | | | 1.0 | 0.8 | 1.0 | 0.9 | 0 | | | | | | | |
| Wind direction | NW | NW | NW | NW | NW | NW | NW | W | W | W | W | W | S | S | S | SE | SE | SE | SE | E | SE | S | W | E |
| Wind movement | 7 | 7 | 6 | 6 | 4 | 5 | 5 | 4 | 4 | 3 | 3 | 3 | 8 | 8 | 8 | 6 | 4 | 3 | 3 | 4 | 3 | 8 | 3 | 2 |
| Maximum velocities (exceeding 40 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 7:02a Character, Clear
Moonrise: 8:23a Cloudy
Sunset: Time, 4:49p Character, Cloudy
Moonset: 11:31p Clear

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

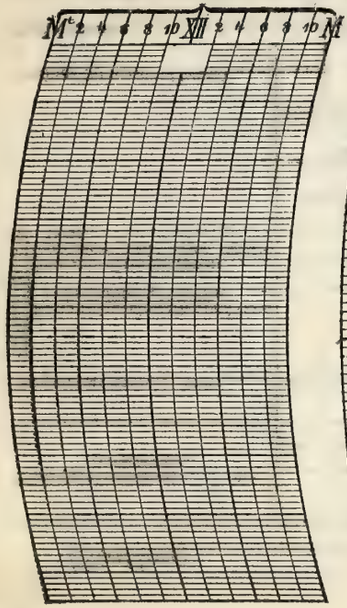
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 36 | 22 | 29 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 4.9 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 81
Prevailing wind direction, NW Total wind, 134
Average hourly velocity, 5.5 Extreme velocity,
Maximum velocity, 13 Direction, NW
Time began, 12:27p m
Reduced barometer, 30.42 7 a. m. 30.26 7 p. m.
River gage, 6.4 Feet
Relative humidity, 7 a. m. 72 p. m.

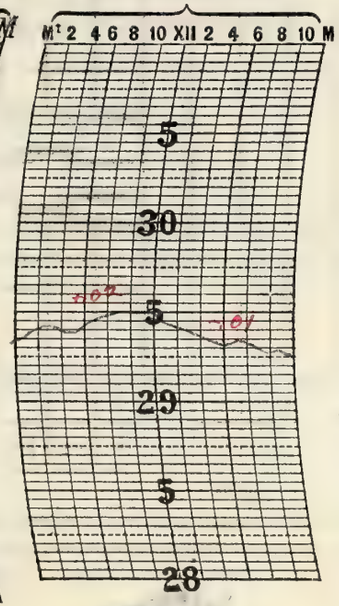
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 36.2 Wet temperature, 28.1
Dew-point, 23 R. humidity, 68 V. pressure, 11.8
Clouds: Amount, 4; Kind, ACu; Direction, NW
Velocity of clouds (miles per hour)

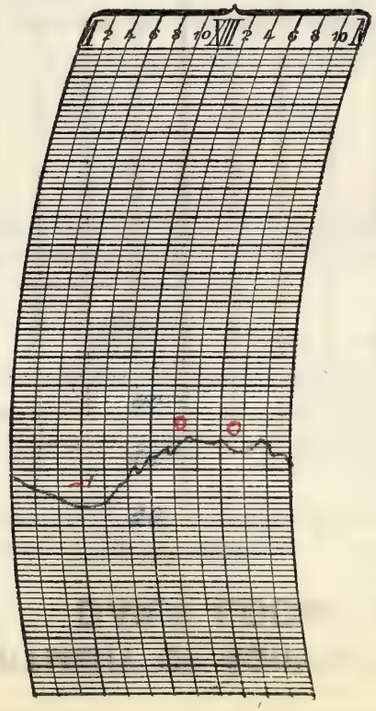
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by
Verified by C. M. Donnegh

8—486

## NOTES.

Showers and light flurries of snow
throughout the morning.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) 10-20-1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 24 | 24 | 32 | 34 | 36 | 37 | 38 | 39 | 41 | 42 | 42 | 43 | 42 | 42 | 42 | 43 | 42 | 42 | 42 | 41 | 40 | 40 | 40 | 39 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | RB 1:30 | | | | | | RE 7:55 | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← Cloudy | | | | | | | | Cloudy → | | | | | | | | | |
| Wind direction | E | SE | SE | SE | SE | S | S | S | S | S | S | S | SW | SW | SW | SW | SW | SW | SW | W | W | W | W | W |
| Wind movement | 6 | 5 | 5 | 6 | 9 | 9 | 12 | 10 | 10 | 13 | 13 | 14 | 11 | 11 | 12 | 9 | 8 | 10 | 12 | 10 | 10 | 0 | 0 | 11 |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |

Maximum velocities (exceeding 22 miles) direction and time

Sunrise: Time, 7:01 Character, Cloudy
Moonrise: 8:57a Cloudy

Sunset: Time, 4:43 Character, Cloudy
Moonset: 8:35p Cloudy

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

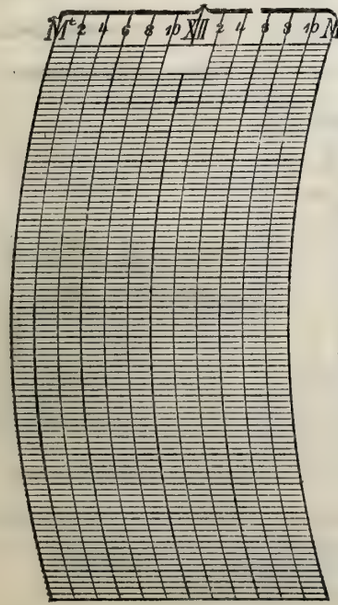
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 43 | 29 | 36 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 2 p. m., .22 ins.
Total precipitation, midnight to midnight, .22 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.7
Per cent of possible sunshine,
Prevailing wind direction, S Total wind
Average hourly velocity, 03 Extreme velocity,
Maximum velocity, 19 Direction, S
Time began, 4:40 p.m.
Reduced barometer, 29.01 7 a. m. 29.81 7 p. m.
River gage, 6.5 Feet.
Relative humidity, 84 7 a. m. 7 p. m.

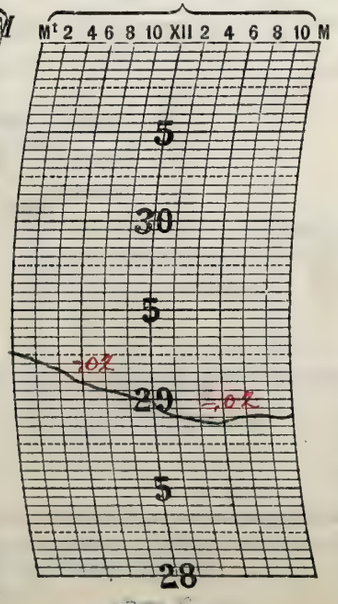
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 42.0 Wet temperature, 39.0
Dew-point, 36 R. humidity, 81 V. pressure, .211
Clouds: Amount, 10; Kind, ST; Direction, S
Velocity of clouds (miles per hour)

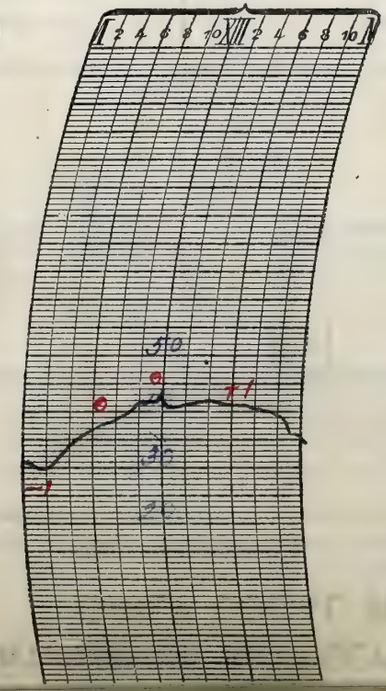
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by

Verified by T. M. Donnegh

## NOTES.

A cloudy day with mild temperature and light rain in the afternoon and early evening.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JAN 21 [illegible], 192

Time (local standard). 90th mer. normal time.

| State of weather. | A. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 33 | 31 | 30 | 29 | 28 | 27 | 28 | 28 | 27 | 27 | 28 | 27 | 30 | 30 | 31 | 30 | 29 | 28 | 27 | 26 | 26 | 25 | 25 | 25 |
| Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Cloudy | × | | Pt. Cloudy | × | | × | | | Clear | | | | | | | | |

Sunrise: Time, 7:01 Character, Cloudy
Moonrise: 9:25a Cloudy
Sunset: Time, 4:44 Character, Clear
Moonset: 9:09p Clear

Sunshine (in tenths of hours): 0 0 0 0 0 0 0 0 0 0 0 0 1.0 1.0 1.0 0.8 0 0 0 0 0 0 0 0
Wind direction: NW NW NW NW NW NW NW NW NW NW NW NW NW NW NW NW NW NW NW NW NW NW NW NW
Wind movement: 9 8 6 5 10 12 8 10 8 6 6 4 7 11 10 11 7 5 6 5 5 4 4 3
Maximum velocities (exceeding 20 miles) direction and time:

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

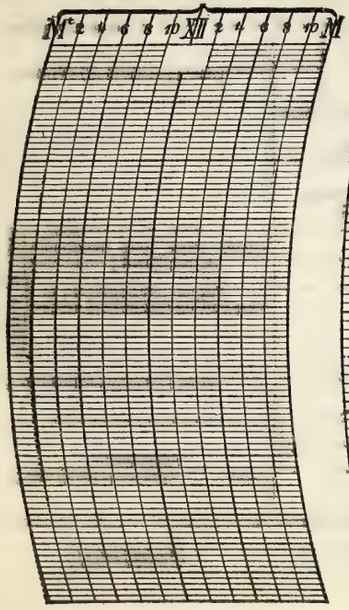
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 33 | 25 | 30 | 15 |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .02 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Fr Cloudy Moon phase,
Average daily cloudiness (0–10), 6
Actual sunshine, hours, 6.1 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 20
Prevailing wind direction, NW Total wind 2.1
Average hourly velocity, 8.5 Extreme velocity, 12
Maximum velocity, 15 Direction, NW
Time began, 7:01 p.m.
Reduced barometer, 30.06 7 a. m. 30.29 7 p. m.
River gage, 6.5 Fall
Relative humidity, 82 7 a. m. 76 7 p. m.

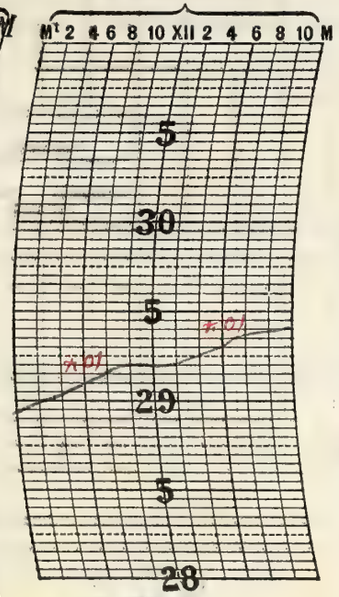
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 28.0 Wet temperature, 26.8
Dew-point, 22 R. humidity, 75 V. pressure, .113
Clouds: Amount, 6 Cu; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

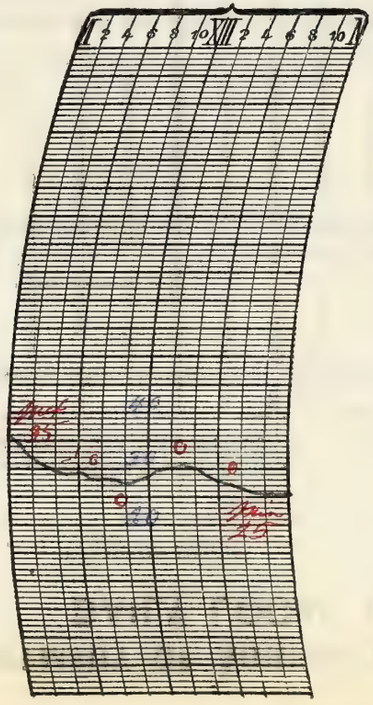
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by
Verified by C. M. Donaugh

8—486

NOTES.

Decreasing cloudiness & fair this a.m. Sunshine & fair. The day was cool with very strong N. gales nearly but light snowfall

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Monday, (Date) [illegible], 192

Time (local standard). 90° mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 24 | 23 | 23 | 24 | 24 | 23 | 23 | [illegible] | 23 | 24 | 26 | 27 | 29 | 29 | 29 | 28 | 27 | 25 | 24 | 23 | 23 | 23 | 22 | 21 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← | Clear | | | | | Clear | | | Pt. Cldy | | | Clear | | | | | → |
| Sunshine (in tenths of hours) | | | | | | | | 1.0 | 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.4 | 0 | | | | | | | |
| Wind direction | SW | S | W | W | NW | NW | NW | NW | NW | NW | NW | W | W | NW | NW | NW | N | N | NE | NE | NE | E | E | E |
| Wind movement | 7 | 8 | 8 | 6 | 10 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 14 | 14 | 12 | 14 | 11 | 11 | 8 | 8 | 8 | 8 | 8 | 8 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 7:00a Character, Clear
Moonrise: 9:25a Clear
Sunset: Time, 4:46 Character, Cloudy
Moonset: 10:26p Clear

| Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

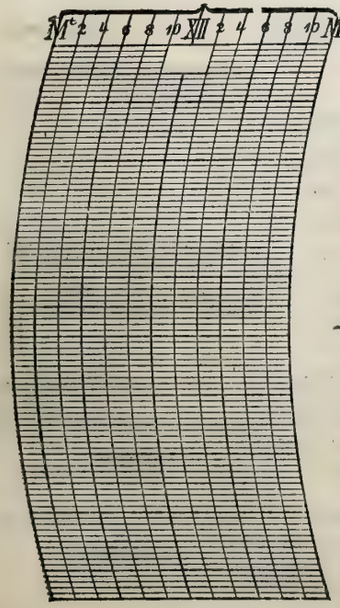
Excessive precipitation, accumulated amounts

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 30 | 21 | 26 | |

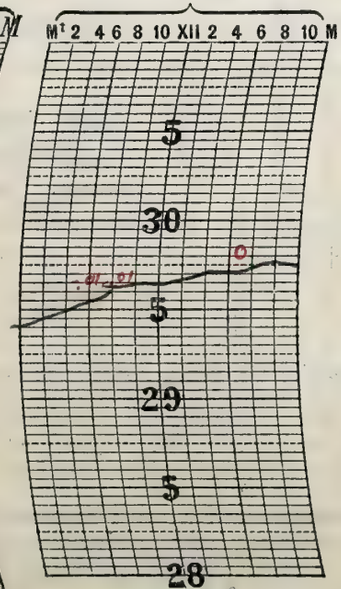
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0–10), 3
Actual sunshine, hours, 8.4 Possible sunshine, hours, 9.8
Per cent of possible sunshine, 86
Prevailing wind direction, NW Total wind 230
Average hourly velocity, 9.6 Extreme velocity,
Maximum velocity, 17 Direction, NW
Time began,
Reduced barometer, 30.22 7 a. m. 30.10 7 p. m.
River gage, 6.2 Feet.
Relative humidity, 26 7 a. m. 22 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 27.3 Wet temperature, 22.8
Dew-point, 12 R. humidity, 48 V. pressure, .070
Clouds: Amount, 1; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

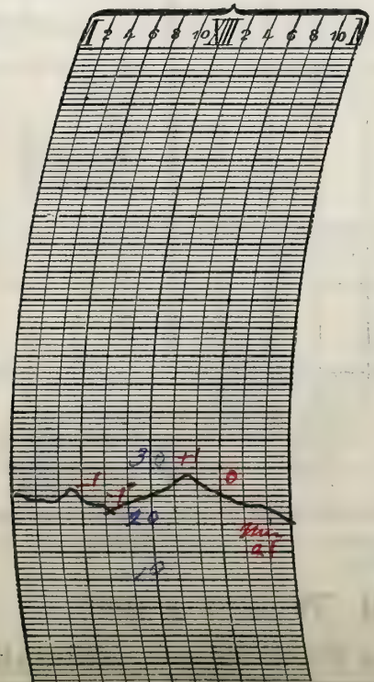
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by
Verified by P. M. Kennedy

## NOTES.

A clear and cool day.
Dim moonlight at midnight giving an unnecessary moon.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) July 23 1929, 192

Time (local standard) 90th mer. normal time.

| | A. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 19 | 19 | 18 | 18 | 18 | 18 | 18 | 19 | 20 | 22 | 26 | 29 | 29 | 30 | 31 | 31 | 30 | 30 | 30 | 29 | 24 | 29 | 29 | 30 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | RB 7:05 | | | RE 11:30 | RB 11:00 |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | Pt. Cloudy | | | | | Pt. Cloudy | | | | | | Cloudy | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 0.5 | 0 | | | | | | | |
| Wind direction | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | SE | SE | SE | SE |
| Wind movement | 0 | 3 | 4 | 11 | 12 | 12 | 12 | 8 | 8 | 10 | 10 | 11 | 13 | 16 | 13 | 12 | 12 | 10 | 10 | 6 | 7 | 7 | 6 | 4 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:05 a Character, Cloudy
Moonrise: 10:22 a Cloudy
Sunset: Time, 7:42 p Character, Cloudy
Moonset: 11:43 p Cloudy

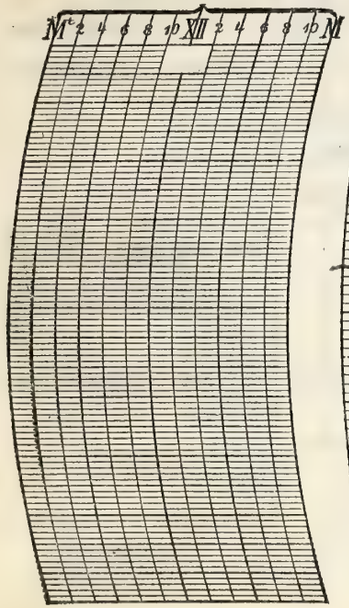
| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 31 | 18 | 24 | |

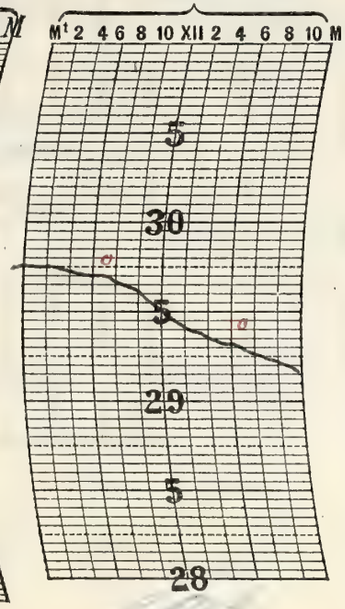
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0.03 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 5.2 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 33
Prevailing wind direction, E Total wind 2711
Average hourly velocity, 11.4 Extreme velocity, 30
Maximum velocity, 18 Direction, E
Time began,
Reduced barometer, 30.06 7 a. m. 30.01 2, p. m.
River gage, 5.8 feet
Relative humidity, 78 7 a. m. 51 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 27.9 Wet temperature, 24.3
Dew-point, 16 R. humidity, 49 V. pressure, 0.83
Clouds: Amount, 5; Kind, Ast; Direction, NW
Velocity of clouds (miles per hour)

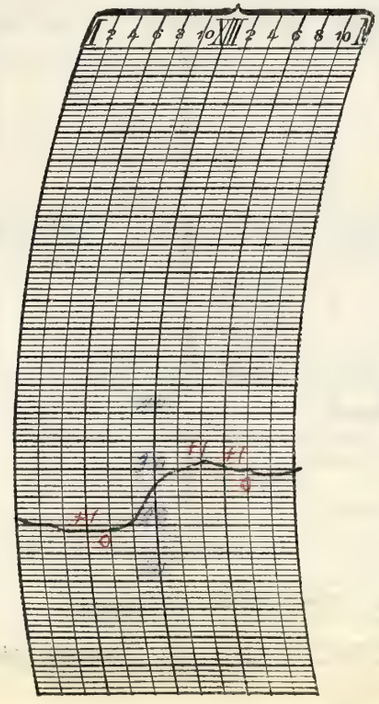
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by
Verified by F. McDonough

8—486

NOTES.

* Estimated.

The sun struck pink on the early morning fog as it finished burning and lifting. Temperature and humidity changes were rather erratic to maximum and minimum temperatures. Thunderstorm activity was slightly below a month ago and moderate temperatures.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) ....., 192

| Time (local standard). 90th mer. normal time. | A. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 30 | 31 | 33 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 33 | 33 | 33 | 32 | 33 | 32 | 32 | 31 | 29 | 28 | 27 | 29 | 30 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | SNE 9:10 SNB 9:55 | | | | | | | | | | | | | | | | |
| Amounts of precipitation | — | — | — | — | — | — | — | — | — | — | — | — | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | Cloudy | | | | | | | | Cloudy | | | | | | | | |
| Sunrise: Time, 6:59 Character, Cloudy. Moonrise: Missed Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 4:48 Character, Cloudy. Moonset: 12:40 | | | |
| Sunshine (in tenths of hours) | | | | | | | | | | | | | 0 | 0 | 0 | 0 | | | | | | | | |
| Wind direction | SE | SE | S | S | S | SW | SW | SW | SW | SW | | | W | W | W | NW | NW | NW | W | W | | | | |
| Wind movement | 5 | 6 | | | | | 7 | 8 | | | | | 8 | 11 | 14 | 17 | 12 | | | | | | | |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

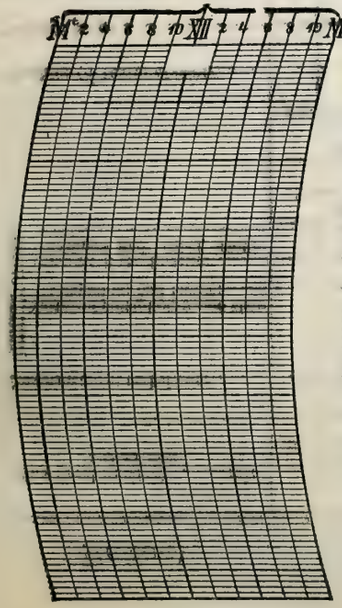
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 34 | 28 | 31 | |

Total depth of snow for 24 hours ending 7 p. m., 4.0 inches.
Snow, sleet, and hail on ground 7 p. m., 0.5 inches.
Total snowfall, midnight to midnight, 4.0 inches.
Precipitation to 7 a. m., .08 ins.; to 7 p. m., .08 ins.
Total precipitation, midnight to midnight, 0.5 inches.
Character of day, Cloudy Moon phase, Full near
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.8
Per cent of possible sunshine, 0
Prevailing wind direction, W Total wind 240
Average hourly velocity, 8.6 Extreme velocity, 20
Maximum velocity, 18 Direction, W
Time began, 2:32 p.m.
Reduced barometer, 29.92 7 a. m. 30.05 7 p. m.
River gage, 2.4 Rise
Relative humidity, 95 7 a. m. 96 7 p. m.

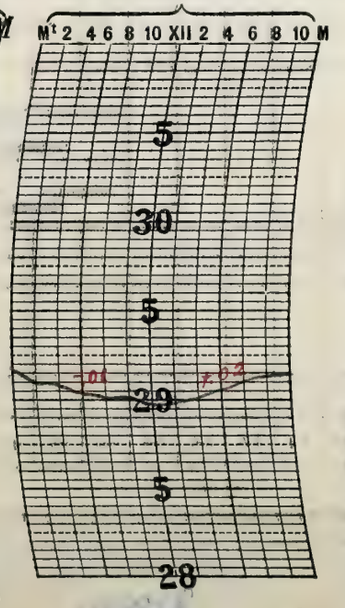
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 33.4 Wet temperature, 33.0
Dew-point, 33 R. humidity, 96 V. pressure, .187
Clouds: Amount, 10; Kind, St; Direction, NW
Velocity of clouds (miles per hour)

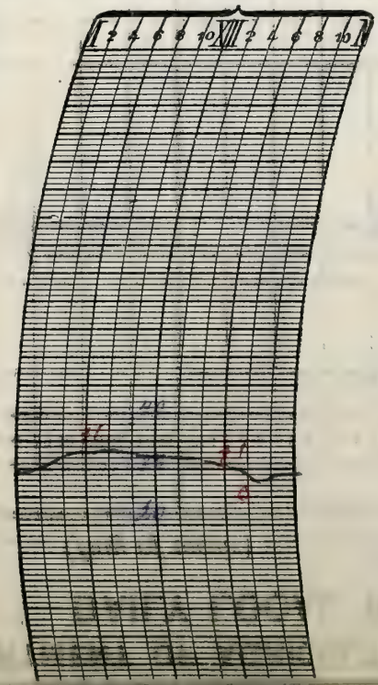
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by .....
Verified by P. McDonough

* Estimated.

## NOTES.

Snowfall 2:00 a.m. to 7:00 a.m.
Light fog began 7:15 a.m.
Heavy fog ended 8:34 a.m.
A cloudy day with moderate temperatures and light mixed rain and drizzle in the afternoon which left the streets and sidewalks damp and slippery but did not cause fog formation. Observer in town courtesy of Purdue University while under weather instructions

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JAN 2 1930, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 30 | 30 | 30 | 30 | 30 | 30 | 31 | 30 | 30 | 32 | 33 | 33 | 33 | 34 | 35 | 33 | 33 | 32 | 32 | 32 | 32 | 33 | 33 | 3 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | — Cloudy — | | | | | | Pt Cloudy — | | — Cloudy — | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0.9 | 0.8 | 0 | 0 | 0 | | | | | | | |
| Wind direction | W | W | W | W | W | W | W | W | W | W | W | W | SW | SW | S | S | S | S | S | S | S | S | S | S |
| Wind movement | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 9 | 11 | 7 | 8 | 10 | 10 | 12 | 10 | 9 | 9 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:05 A Character, Cloudy
Moonrise: 11:23 A Cloudy
Sunset: Time, 4:49 P Character, Cloudy
Moonset: 12:17 P

| Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

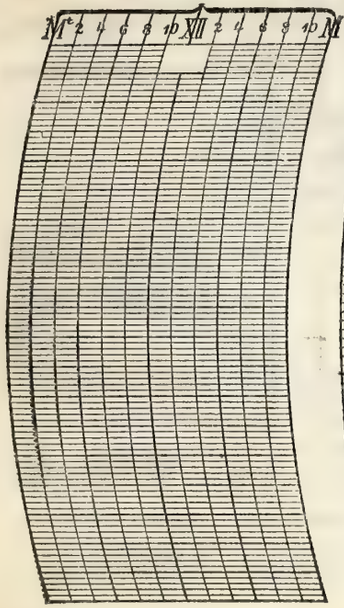
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 35 | 30 | 32 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 8
Actual sunshine, hours, 3.4 Possible sunshine, hours, 9.8
Per cent of possible sunshine, 35
Prevailing wind direction, S Total wind 164
Average hourly velocity, 2.8 Extreme velocity, 14
Maximum velocity, 14 Direction, S
Time began, 1:34 P m
Reduced barometer, 7 a. m. 30.03 7 p. m.
River gage,
Relative humidity, 88 7 a. m. 85 7 p. m.

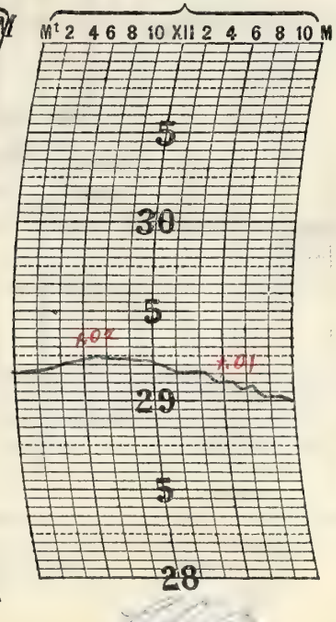
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 31.2 Wet temperature, 28.0
Dew-point, 22 R. humidity, 67 V. pressure, 29.3
Clouds: Amount, 7; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

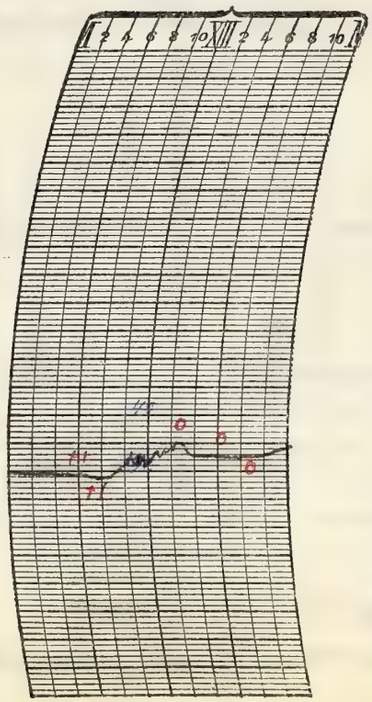
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



NOTES.

A cloudy day with mild temperatures

Prepared by

Verified by C. McDonough

8—486

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Friday, (Date) JAN 26 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 34 | 34 | 35 | 35 | 36 | 36 | 37 | 39 | 37 | 38 | 39 | 39 | 39 | 40 | 40 | 39 | 37 | 36 | 36 | 36 | 35 | 34 | 34 | 34 |
| State of weather. Nature of precipitation and time of beginning and ending | | | Haze Dri. | | | | | | | | | | | | | | | | | | | RD 9:30 | — | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | — Cloudy | | | | | | | | — Cloudy | | | | | | | | | |

Sunrise: Time, 6:57 Character, Cloudy
Moonrise: 11:59a Cloudy
Sunset: Time, 4:51 Character, Cloudy
Moonset: 1:52a

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | S | S | S | S | SW | SW | SW | SW | SW | SW | SW | SW | N | NE | NE | E | E | E | NE | NE | NE | E | E | E |
| Wind movement | 7 | | | | 4 | 8 | 5 | 5 | 5 | 7 | 5 | 7 | 5 | 6 | 4 | 4 | 4 | 4 | 8 | 9 | 8 | 8 | 11 | 11 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

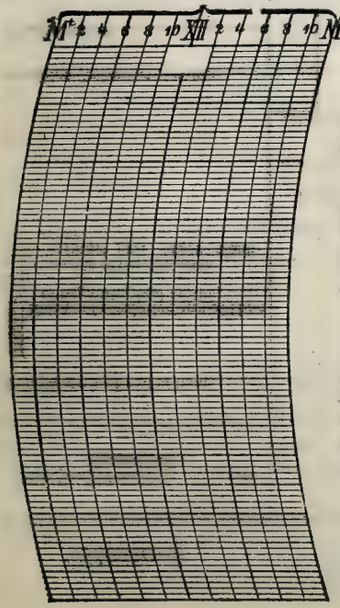
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 40 | 34 | 37 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.9
Per cent of possible sunshine, 0
Prevailing wind direction, SW Total wind 120
Average hourly velocity, 7.5 Extreme velocity, 11
Maximum velocity, 11 Direction, E
Time began, 11:10 a.m.
Reduced barometer, 29.88 7 a. m. 29.97 7 p. m.
River gage, 4.9 Feet.
Relative humidity, 91 7 a. m. 71 7 p. m.

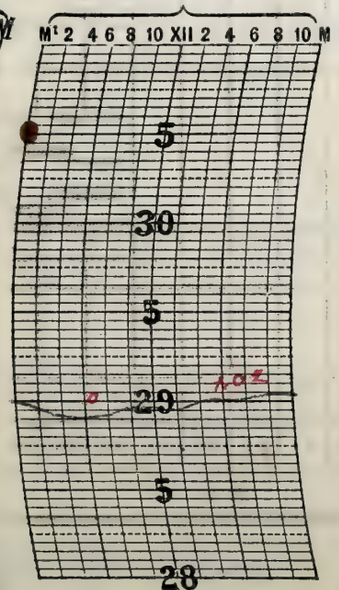
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 38.0 Wet temperature, 36.0
Dew-point, 33 R. humidity, 83 V. pressure, .187
Clouds: Amount, 10; Kind, St; Direction, W
Velocity of clouds (miles per hour)

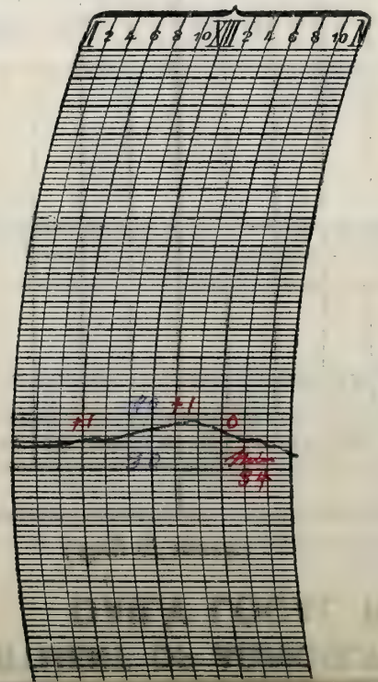
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by Ellis
Verified by T. McDonough

NOTES.

9 Estimated

Clear in morning, cloudy with snow in afternoon and evening.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JAN 27 19[illegible], 192

Time (local standard). 90° mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 32 | 32 | 31 | 30 | 30 | 30 | 30 | 30 | 31 | 31 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 33 | 33 | 34 | 35 | 35 | 35 | 35 |
| State of weather. Nature of precipitation and time of beginning and ending | | | RE DNA DNB DNA | | | | | SNE 7.00 | TO 8.00 | | | | | | | | | | | | | | RE DNA | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | Cloudy | | | | | | | Cloudy | | | | | | | | | |
| Sunrise: Time, Character, | 7:42 Cloudy | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: | 12:38P Cloudy | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, Character, | | | | | | | | | | | | | | | | | | | | | 4:57P Cloudy | | | |
| Moonset: | | | | | | | | | | | | | | | | | | | | | 2:12A | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | SE | NE | W | W |
| Wind movement | 10 | 12 | 12 | 8 | 7 | 8 | 8 | 12 | 17 | 15 | 13 | 13 | 10 | 12 | 8 | 7 | 8 | 6 | 5 | 2 | 2 | 3 | 4 | 7 |
| Maximum velocities (exceeding 25 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

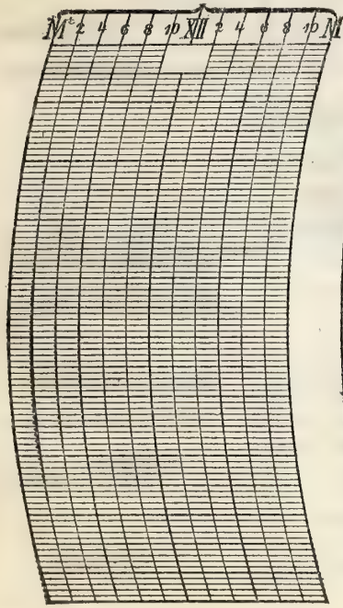
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 35 | 30 | 32 | |

Total depth of snow for 24 hours ending 7 p. m., [illegible] inches.
Snow, sleet, and hail on ground 7 p. m., [illegible] inches.
Total snowfall, midnight to midnight, [illegible] inches.
Precipitation to 7 a. m., .28 ins.; to 7 p. m., .03 ins.
Total precipitation, midnight to midnight, [illegible] inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.9
Per cent of possible sunshine, 0
Prevailing wind direction, E Total wind 264
Average hourly velocity, 11.0 Extreme velocity, 24
Maximum velocity, 25 Direction, E
Time began, 4:55 a.m.
Reduced barometer, 29.01 a. m. 29.72 p. m.
River gage, [illegible]
Relative humidity, 95 7 a. m. 100 7 p. m.

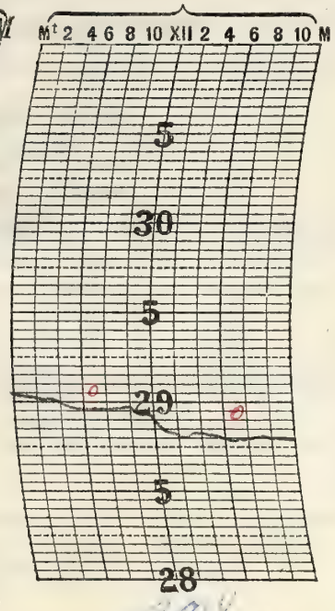
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 32.0 Wet temperature, 31.3
Dew-point, 31 R. humidity, 95 V. pressure, .172
Clouds: Amount, 10; Kind, NS; Direction, E
Velocity of clouds (miles per hour)

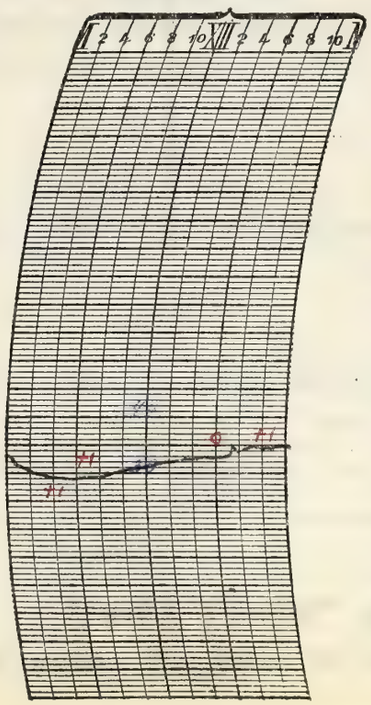
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by

Verified by C. McDonough

8—486

## NOTES.

Estimated

Snow 7 a.m. 1 inch

At noon the snow was falling at it fell in many streets until walks icy and slippery, but thawing the afternoon it thawed on the snow melted rapidly, the streets and walks were soaky and slippery

In clouds day and night with moisture temperature is kind mist and snow

Light fog began - 6:00 p.m.
Light fog ended - 10 P.M.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) [illegible], (Date) [illegible], 192

Time (local standard). 90 mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 35 | 34 | 34 | 33 | 33 | 33 | 33 | 33 | 33 | 31 | 31 | 30 | 30 | 29 | 28 | 27 | 27 | 26 | [illegible] | 26 | 25 | 25 | 25 | 24 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | Cloudy | | | | | | | | Cloudy | | | | | | Cloudy | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wind direction | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | NW | NW | W | SW | SW | W |
| Wind movement | 9 | 11 | 13 | 12 | 12 | 12 | 11 | 10 | 12 | 12 | 18 | 16 | 17 | 16 | 13 | 14 | 15 | 11 | 9 | 8 | 6 | 4 | 4 | 4 |
| Maximum velocities (exceeding [illegible] miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:55 Character, Cloudy
Moonrise: 12:30 Character, Cloudy
Sunset: Time, 4:52 Character, Cloudy
Moonset: 3:09 Character, Cloudy

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

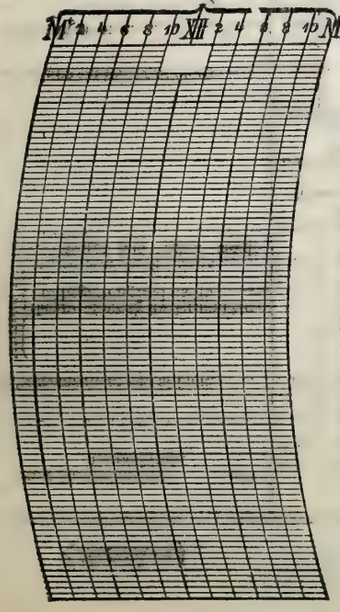
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 35 | 24 | 30 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0.5 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .02 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10),
Actual sunshine, hours, 0 Possible sunshine, hours, 10.0
Per cent of possible sunshine, 0
Prevailing wind direction, W Total wind 330
Average hourly velocity, 13.8 Extreme velocity, 25
Maximum velocity, 23 Direction, W
Time began, 10:43 a. m.
Reduced barometer, 29.86 7 a. m. 30.18 2, p. m.
River gage, 4.1 Rising
Relative humidity, 90 7 a. m. 94 3 p. m.

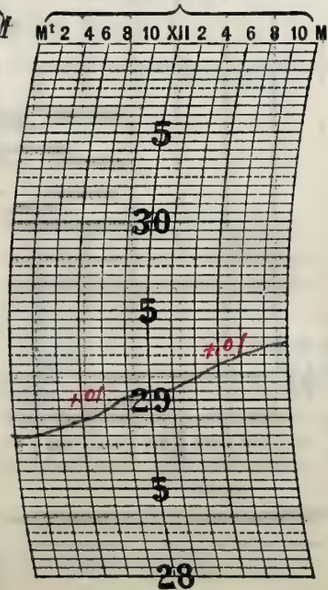
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 31.8 Wet temperature, 30.3
Dew-point, 28 R. humidity, 83 V. pressure, 100
Clouds: Amount, 10; Kind, Strat; Direction, W
Velocity of clouds (miles per hour)

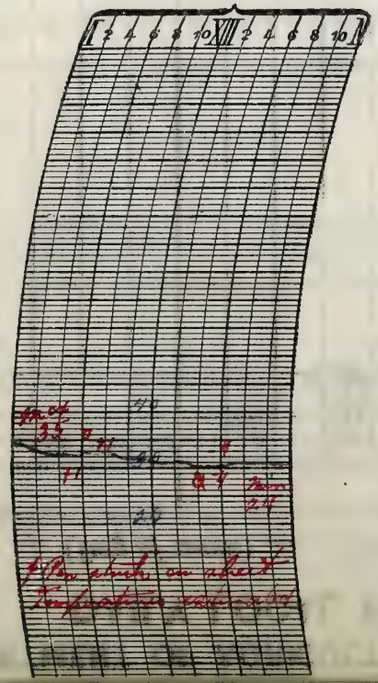
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



NOTES.

The day was cloudy and unpleasant with [illegible] temperature. The night was clear and [illegible] by bright moonlight.

Prepared by [illegible]
Verified by C. McDonough

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JAN 29 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 24 | 24 | 23 | 23 | 23 | 22 | 21 | 23 | 28 | 31 | 33 | 35 | 36 | 36 | 35 | 35 | 32 | 31 | 31 | 30 | 29 | 29 | 28 | 27 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Cloudy | Foggy | | Cloudy | | | Cloudy | | | | | | Cloudy | | | | | |
| Sunrise: Time, Character, 6:50 Cloudy. Moonrise: Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:54 Cloudy. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0.5 | 1.0 | 1.0 | 1.0 | 0.1 | 0 | 0 | | | | | | | | |
| Wind direction | SW | W | W | SW | SW | SW | SW | SW | SW | S | S | S | S | S | S | SE | SE | E | E | E | E | E | E | E |
| Wind movement | 6 | 4 | 3 | 2 | 1 | 1 | 1 | 2 | 1 | 4 | 6 | 6 | 4 | 6 | 3 | 4 | 4 | 7 | 7 | 8 | 7 | 7 | 10 | 10 |
| Maximum velocities (exceeding ___ miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

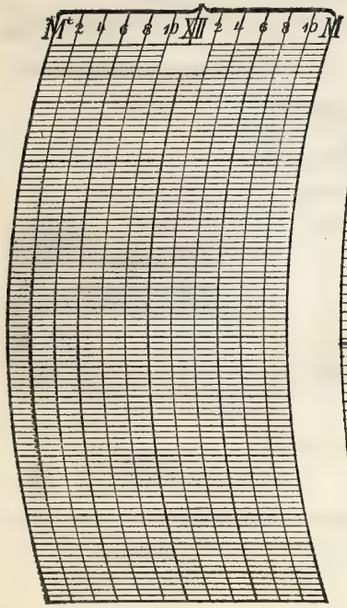
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 36 | 22 | 29 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0.4 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 3.6 Possible sunshine, hours, 10.0
Per cent of possible sunshine, 36
Prevailing wind direction, E. to SW. Total wind 110
Average hourly velocity, 5.5 Extreme velocity, 12
Maximum velocity, 12 Direction, E
Time began, 10:47 p. m.
Reduced barometer, 30.38 7 a. m. 30.44 7, p. m.
River gage, 6.0 feet.
Relative humidity, 86 7 a. m. 63 7 p. m.

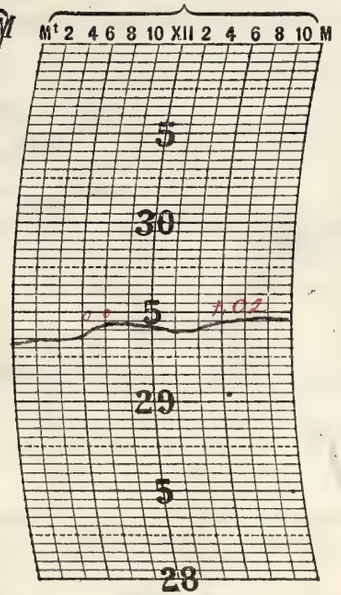
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 33.2 Wet temperature, 29.0
Dew-point, 22 R. humidity, 69 V. pressure, 113
Clouds: Amount, 7; Kind, Nst; Direction, NW.
Velocity of clouds (miles per hour)

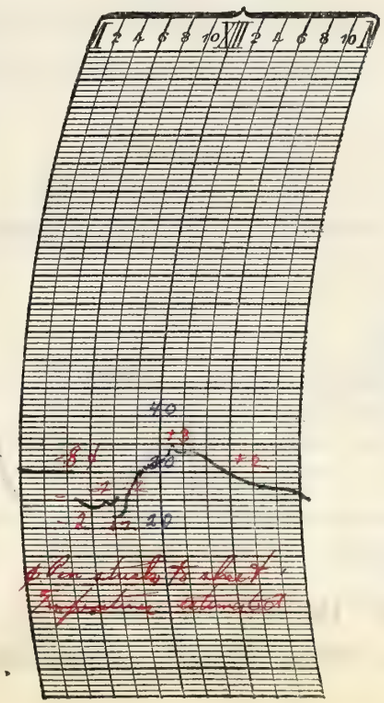
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by
Verified by P. McDonough

8—486

## NOTES.

Dense fog from sunrise - 7:15 a.m.
Dense fog ended - 7:26 a.m.
Bright solar halo 22° radius observed from 11:00 a.m. until about 1:00 p.m.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) [illegible], (Date) [illegible], 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 27 | 26 | 26 | 25 | 25 | 25 | 25 | 25 | 27 | 31 | 34 | 37 | 37 | 34 | 34 | 38 | 37 | 37 | 38 | 36 | 36 | 34 | 34 | 34 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | RW 4:30 | | | | | | RE INP | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← | PC | Cloudy | | | | Cloudy | | | | | | | | | | | |

Sunrise: Time, 6:54 Character, Cloudy
Moonrise: 3:11p Cloudy
Sunset: Time, 4:55 Character, Cloudy
Moonset: 4:58a

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0.4 | 1.0 | 1.0 | 1.0 | 0.3 | 0 | 0 | 0 | | | | | | | |
| Wind direction | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | SE | SE | E | SE | E | SE |
| Wind movement | 10 | 11 | 12 | 12 | 13 | 13 | 13 | 11 | 12 | 12 | 12 | 12 | 12 | 10 | 8 | 7 | 7 | 6 | 4 | 5 | 5 | 4 | 4 | 3 |
| Maximum velocities (exceeding 27 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

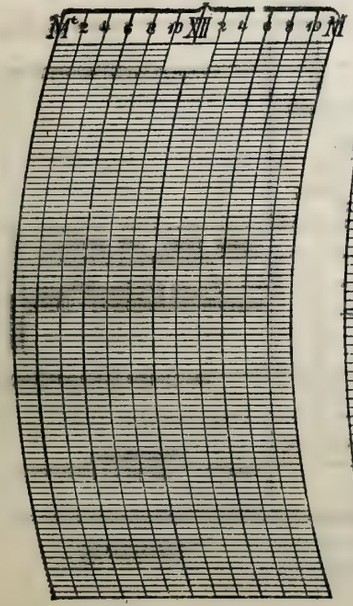
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 39 | 25 | 32 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0.3 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, 01 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10),
Actual sunshine, hours, 3.2 Possible sunshine, hours, 10.0
Per cent of possible sunshine, 32
Prevailing wind direction, E Total wind 284
Average hourly velocity, 5.9 Extreme velocity, 18
Maximum velocity, 16 Direction, E
Time began, 8:21 p.m.
Reduced barometer, 30.42 7 a. m. 30.21 7 p. m.
River gage, 5.5 Feet
Relative humidity, 70 7 a. m. 75 7 p. m.

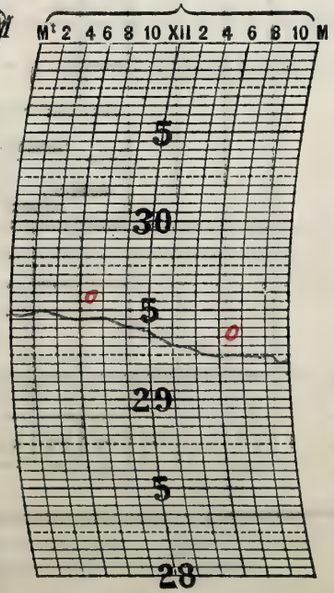
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 34.6 Wet temperature, 31.6
Dew-point, 28 R. humidity, 73 V. pressure, .192
Clouds: Amount, 8; Kind, ACu.; Direction, W.
Velocity of clouds (miles per hour)

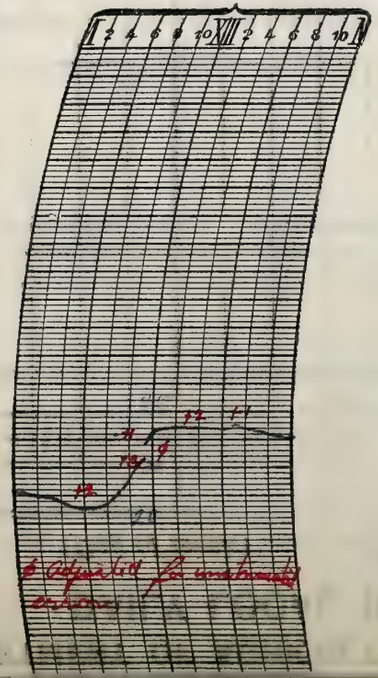
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by [illegible]
Verified by P. McDonough

NOTES.

Ca. Cloudy day with no sunshine
first sunshine 7

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JAN 31 1906, 192

| Time (local standard). 90th mer. normal time. | A. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 35 | 35 | 36 | 36 | 36 | 37 | 39 | 38 | 39 | 39 | 40 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 39 | 38 | 36 | 36 | 36 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | | | | | | | |
| Wind direction | SE | SE | S | S | S | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | S | SW | S | S | S | NE | SE | SE |
| Wind movement | 2 | 2 | 4 | 3 | 5 | 8 | 9 | 8 | 9 | 8 | 7 | 5 | 6 | 6 | 6 | 6 | 5 | 4 | 4 | 2 | 3 | 5 | 5 | 4 |
| Maximum velocities (exceeding ___ miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Hazy — Cloudy

Sunrise: Time, 6:53 Character, Fair
Moonrise: 4 a.m. Character, Cloudy
Sunset: Time, 5:48 p. m. Character, Hazy

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

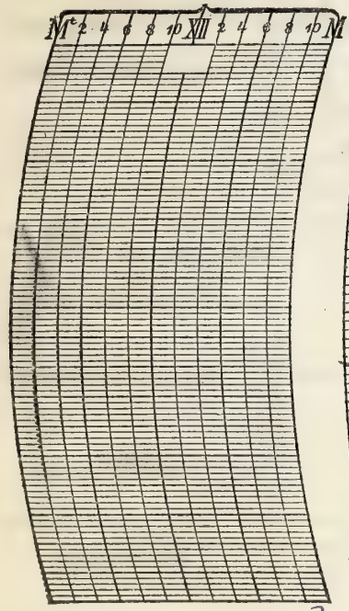
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 41 | 34 | 38 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 01 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 10.1
Per cent of possible sunshine, 2
Prevailing wind direction, SW Total wind, 124
Average hourly velocity, 5.2 Extreme velocity,
Maximum velocity, 11 Direction, SW
Time began, 2:14 a.m.
Reduced barometer, 30.09 7 a. m. 30.04 7, p. m.
River gage, 5.3 Fall
Relative humidity, 2 a. m. 5 p. m.

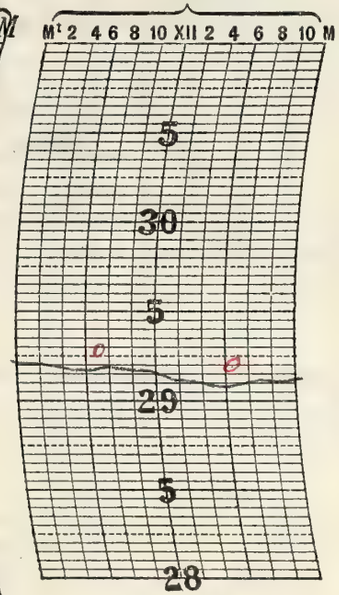
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 41.0 Wet temperature, 40.7
Dew-point, 40 R. humidity, 94 V. pressure, 29.7
Clouds: Amount, 10; Kind, Nimbus; Direction, SW
Velocity of clouds (miles per hour)

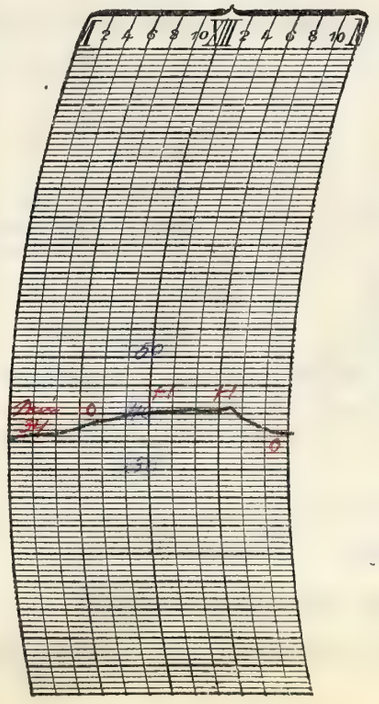
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by
Verified by

8—486

## NOTES.

Dense fog began — 10 M a.m.
Dense fog ended — 12:29 p.m.
Light fog began — 12:03 p.m.
Light fog ended — Continued
Fine haze prevailed until the end of the month, and on account of fog obscuring the vicinity of the city, but a short time after noon the fog thinned and continued thinning out the remainder of the day and night.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(*Station*) _____, (*Day of week*) Wednesday, (*Date*) _____, 192

Time (local standard). 7th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 36 | 37 | 38 | 38 | 39 | 40 | 41 | 41 | 41 | 41 | 43 | 43 | 42 | 41 | 39 | 37 | 36 | 36 | 35 | 34 | 33 | 33 | 33 | 33 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | Cloudy | | | | | | | Cloudy | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | | | | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | E | E | SE | SE | SE | SE | SE | S | S | W | | | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | |
| Wind movement | 5 | 5 | 6 | 5 | 4 | 4 | 3 | 5 | 9 | | | | 11 | 12 | 10 | 12 | 10 | 14 | 9 | 9 | 7 | 6 | | |
| Maximum velocities (exceeding 10 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:52 Character, Cloudy
Moonrise: 5:21 P Cloudy
Sunset: Time, 4:58 Character, Cloudy
Moonset: 6:34a Cloudy

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

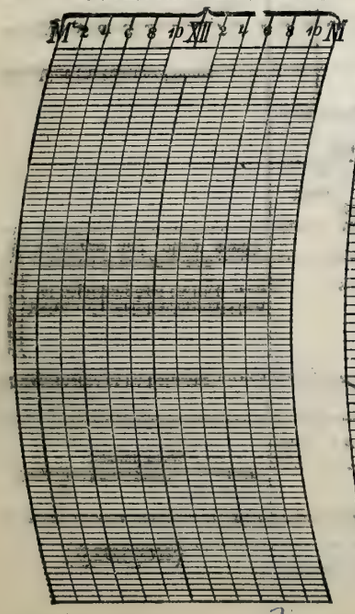
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 43 | 33 | 38 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Cloudy Moon phase, Full - 9:03 P m
Average daily cloudiness (0–10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 10.1
Per cent of possible sunshine, 0
Prevailing wind direction, NW Total wind 132
Average hourly velocity, 7.2 Extreme velocity, 14
Maximum velocity, 13 Direction, NW
Time began, 11:18 p m.
Reduced barometer, 29.92 7 a. m. 30.00 7 p. m.
River gage, 6.8 Fall
Relative humidity, 100 7 a. m. 94 7 p. m.

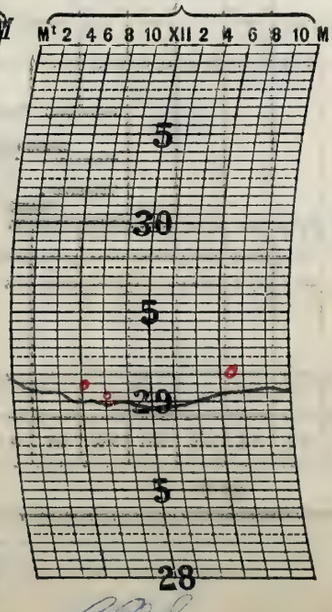
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 43.0 Wet temperature, 42.3
Dew-point, 42 R. humidity, 94 V. pressure, .266
Clouds: Amount, 10; Kind, St; Direction, W
Velocity of clouds (miles per hour)

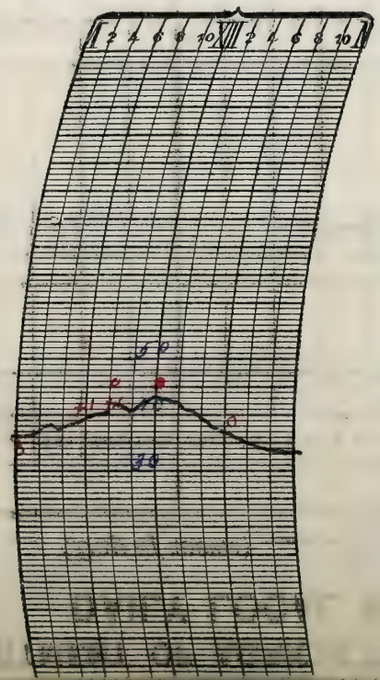
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by _____

Verified by _____

## NOTES.

The wind for which key was on the 31st continued the morning until 11:22 a.m.

Cloudy until clear early morning day with moderate temperature. Fair moonlight night with frost means through Cloudy, commencing about 10 o'clock.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) Feb 2 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 32 | 32 | 32 | 32 | 32 | 32 | 30 | 32 | 32 | 33 | 34 | 35 | 37 | 38 | 40 | 41 | 41 | 41 | 39 | 38 | 36 | 35 | 32 | 32 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | State Dia | | | | | | | | | | | RB 1:05 | | | | | | | RE 9:30 SnB 9:30 | | |
| Amounts of precipitation | | | | T | | | | | | | | | | | — | — | — | — | — | — | — | — | — | — |
| Cloudiness and other conditions | | | | | | | ← Cloudy | | | | | | | | Cloudy → | | | | | | | | | |
| Sunrise: Time, Character, 6:51 Cloudy. Moonrise: 6:13 p Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:57 Cloudy. Moonset: 2:11 a Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | | 8 | 9 | 9 | 3 | 2 | 1 | 0 | 0 | 0 | 1 | 6 | | | | | | | |
| Wind direction | N | N | E | E | E | E | E | SE | SE | E | SE | SE | SE | S | S | S | SW | SW | W | W | W | W | W | W |
| Wind movement | 3 | 4 | 3 | 5 | 4 | 5 | 5 | 5 | 7 | 5 | 3 | 4 | 3 | 3 | 4 | 6 | 6 | 10 | 11 | 11 | 11 | 16 | 3 | 16 |
| Maximum velocities (exceeding 22 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

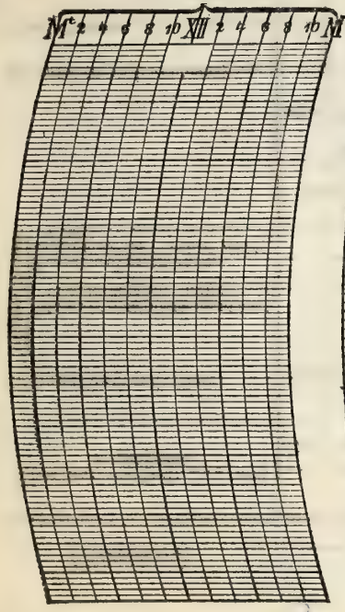
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 41 | 32 | 36 | |

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0–10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 10.4
Per cent of possible sunshine, 0
Prevailing wind direction, E. & W. Total wind 163
Average hourly velocity, 6.8 Extreme velocity, 17
Maximum velocity, 17 Direction, W
Time began, 11:30 p m
Reduced barometer, 29.94 7 a. m. 29.68 7 p. m.
River gage, 7.8 Fall
Relative humidity, 90 7 a. m. 100 7 p. m.

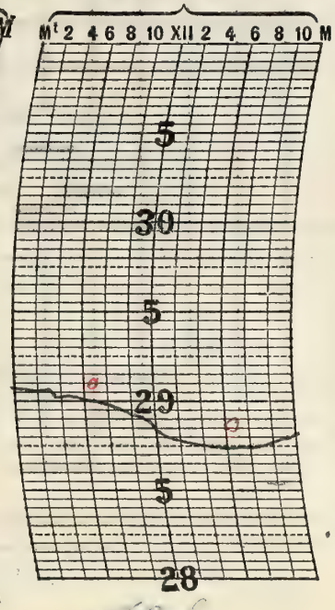
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 36.0 Wet temperature, 35.0
Dew-point, 34 R. humidity, 91 V. pressure, .195
Clouds: Amount, 10; Kind, Sfcu.; Direction, SE
Velocity of clouds (miles per hour)

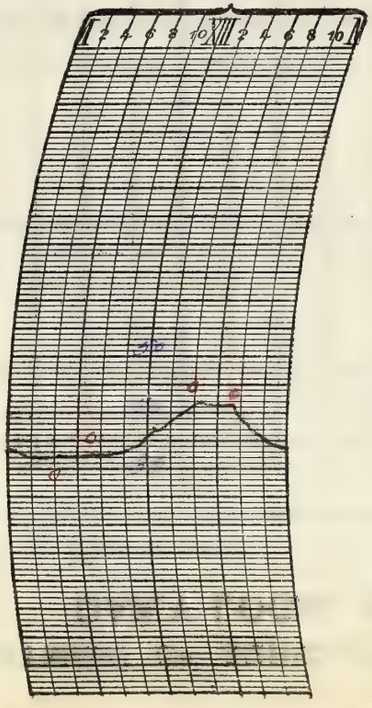
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by

Verified by

8—486

## NOTES.

Estimated

Rainfall 11 2:00 a m Trace
Snow on ground at 2:00 a m Trace
Light fog began 4:20 p m
Light fog ended 6:10 p m
A cloudy day with moderate temperature
Local frost warning was received at 1:05 p m C.B. was placed to all interested parties

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) ..... , (Day of week) Saturday , (Date) ..... , 192

Time (local standard). 90° mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 31 | 28 | 28 | 27 | 23 | 22 | 21 | 21 | 20 | 19 | 18 | 17 | 17 | 16 | 14 | 13 | 12 | 10 | x | 2 | 7 | 6 | 6 | 6 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | – | – | – | – | – | – | – | – | – | – | – | – | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← Cloudy | | | | | | | | Cloudy | | | | → Partly Cloudy → Clear → | | | | | |

Sunrise: Time, 6:50 Character, Cloudy
Moonrise: 7:44 a.m. Cloudy
Sunset: Time, 5:01 Character, Cloudy
Moonset: 7:53 a.m. Cloudy

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW |
| Wind movement | 20 | 20 | 20 | 20 | 20 | 19 | 18 | 16 | 15 | 15 | 14 | 13 | 17 | 18 | 17 | 17 | 17 | 13 | 14 | 10 | 12 | 13 | 12 | 12 |
| Maximum velocities (exceeding 22 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

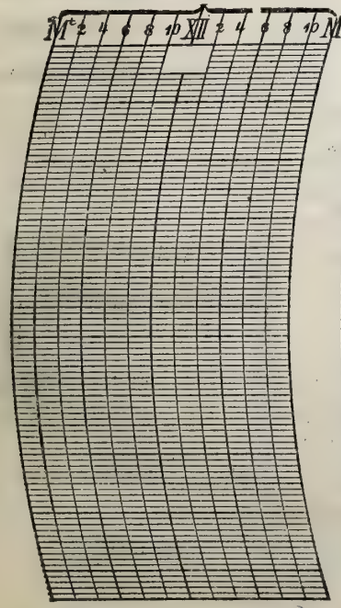
| | Total duration. | | Total amount of precipitation. | Excessive rate. | | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | From— | To— | | Began— | Ended— | | 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 32 | 6 | | |

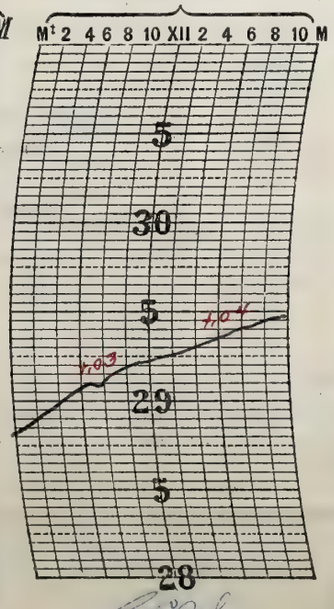
Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., .01 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 9
Actual sunshine, hours, 0.2 Possible sunshine, hours, 10.2
Per cent of possible sunshine, 2
Prevailing wind direction, NW Total wind 396
Average hourly velocity, 16.5 Extreme velocity, 30
Maximum velocity, 24 Direction, NW
Time began, 1:07 a.m.
Reduced barometer, 30.07 7 a. m. 30.47 2 p. m.
River gage, 7.8 Feet
Relative humidity, 81 7 a. m. 57 2 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 12.0 Wet temperature, 10.0
Dew-point, 9 R. humidity, 62 V. pressure, .060
Clouds: Amount, 9; Kind, Sc; Direction, W
Velocity of clouds (miles per hour)

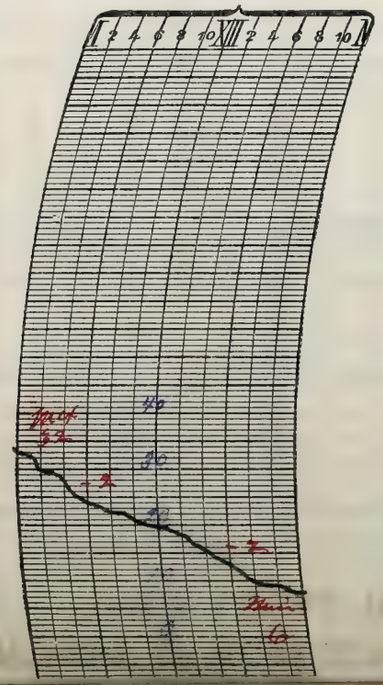
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by .....
Verified by .....

*Estimated

## NOTES.

A cold wave warning was issued at 8:57 a.m., embracing on the evening a.m. forecast. It was followed by long distance forecasts and finished on bill boards.

A cloudy day with falling temperature light wind. Bright moonlight late at night.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) DEC - 6 1903, 192

Time (local standard) 90° mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 5 | 4 | 3 | 3 | 3 | 2 | 1 | 1 | 3 | 6 | 8 | 9 | 10 | 10 | 12 | 11 | 10 | 10 | 9 | 9 | 8 | 9 | 8 | 7 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← | | Pt. Cloudy | | | → | Pt. Cloudy | | Cloudy | | | | Pt. Cloudy | | | | | → |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0.1 | 0.9 | 0.9 | 0.4 | 0.7 | 0.6 | 1.0 | 0.8 | 3 | 3 | | | | | | |
| Wind direction | NW | W | W | W | W | W | NW | W | W | W | N | W | W | W | W | W | W | W | SW | SW | SW | SW | W | NW |
| Wind movement | 12 | 12 | 11 | 10 | 10 | 9 | 10 | 8 | 9 | 4 | 9 | 10 | 11 | 12 | 11 | 10 | 10 | 3 | 2 | 10 | 8 | 8 | 1 | 11 |
| Maximum velocities (exceeding 20 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:49 Character, Cloudy
Moonrise: 8:42p Cloudy
Sunset: Time, 5:02 Character, Cloudy
Moonset: 8:34a Cloudy

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

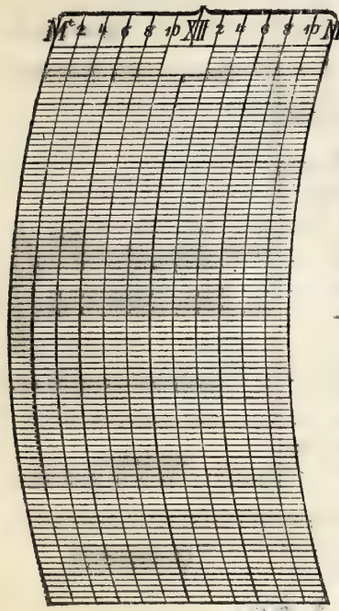
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 12 | 1 | 6 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 5.2 Possible sunshine, hours, 10.2
Per cent of possible sunshine, 51
Prevailing wind direction, W Total wind 227
Average hourly velocity, 9.5 Extreme velocity, 46
Maximum velocity, 25 Direction, W
Time began, 1:03 a.m.
Reduced barometer, 30.26 7 a. m. 30.48 7, p. m.
River gage, 6.4 Feet
Relative humidity, 76 7 a. m. 78 7 p. m.

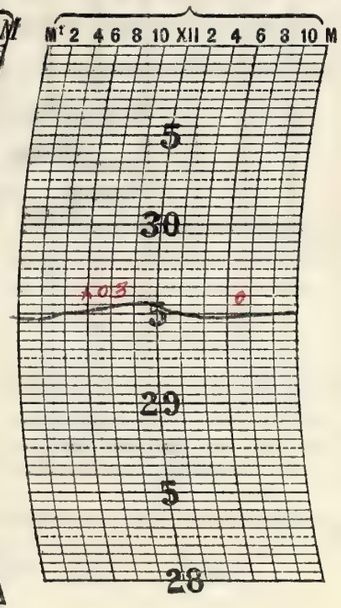
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 5.0 Wet temperature, 6.0
Dew-point, -4 R. humidity, 57 V. pressure, 031
Clouds: Amount, 6; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

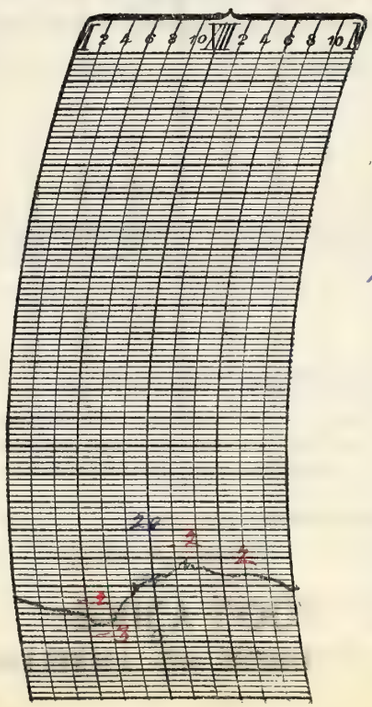
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by
Verified by

8—486

## NOTES.

Shine ice observed this morning
a Sunday slowly and cold day
Faint V monthly bit through thin
clouds late at night.
Portion of N. Y. point solar halo
of 22° radius observed from 3:64 pm
until 4:13 p. m.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) FEB -5 1923, 192

Time (local standard), 90th mer. normal time.

| | A. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 8 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 9 | 13 | 17 | 19 | 21 | 22 | 25 | 24 | 23 | 22 | 21 | 19 | 19 | 19 | 17 | 17 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Clear | | Smoky | | | | Clear | | | | | | Clear | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0.3 | 1.0 | 1.0 | 1.0 | 1.0 | 0.4 | 1.0 | 0.5 | | | | | | |
| Wind direction | W | W | W | SW | W | W | W | W | W | W | W | SE | SE | SE | SE | S | SE | SE | SE | SE | E | E | E | E |
| Wind movement | 5 | 6 | 5 | 7 | 4 | 5 | 3 | 4 | 3 | 2 | 3 | 3 | 6 | 6 | 7 | 6 | 5 | 5 | 6 | 7 | 7 | 9 | 10 | 8 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:48 Character, Cloudy
Moonrise: 12:03 P Character, Clear
Sunset: Time, 5:23 Character, Clear
Moonset: 2:11 P Character, Smoky

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

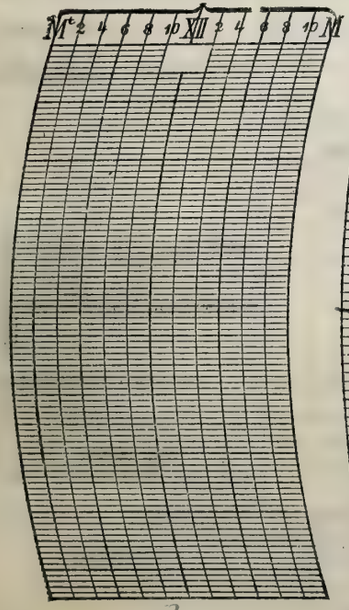
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 25 | 2 | 16 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 6.4 Possible sunshine, hours, 10.2
Per cent of possible sunshine, 63
Prevailing wind direction, W Total wind 134
Average hourly velocity, 5.6 Extreme velocity, 12
Maximum velocity, 12 Direction, E
Time began, 10.18 P.M.
Reduced barometer, 30.48 7 a. m. 30.44 7 p. m.
River gage, 4.8 + 0.2
Relative humidity, 80 7 a. m. 71 7 p. m.

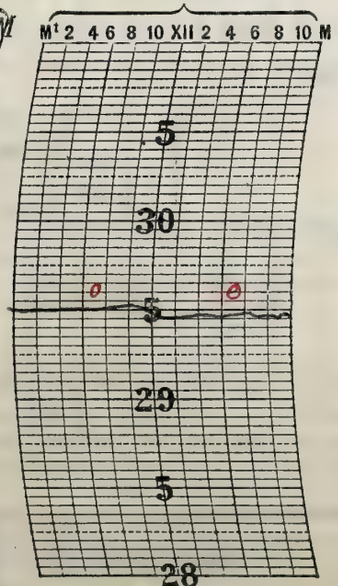
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 19.0 Wet temperature, 16.6
Dew-point, 10 R. humidity, 62 V. pressure, 29.3
Clouds: Amount, 0; Kind, 0; Direction,
Velocity of clouds (miles per hour)

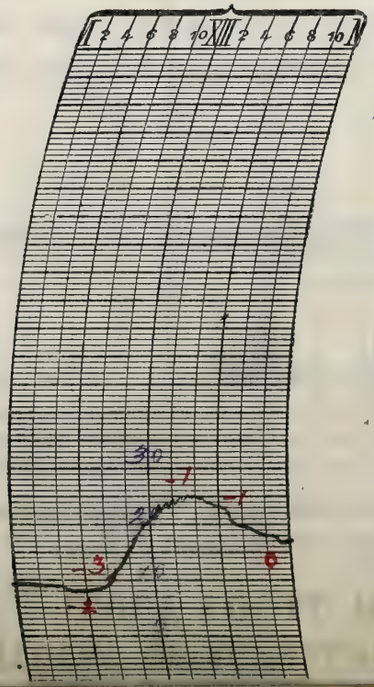
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




NOTES.

Shore wind moderately heavy
flooding ice & trees this morning
Dense smoke began at 8:40 a.m.
Dense smoke left at 10:45 a.m.
A clear and cold day with
steady rising temperature
Thunder & moonlight late at
night

Prepared by [illegible] ECS

Verified by

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) FEB 3 1920, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 13 | 14 | 15 | 15 | 18 | 19 | 19 | 20 | 18 | 17 | 16 | 16 | 15 | 16 | 15 | 17 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | SNW 6:12 | | | | | | | | | SNW 3:45 | | | | | | | | |
| Amounts of precipitation | | | | | | | — | — | — | — | — | — | — | — | — | — | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Cloudy | | | | | | | | | Cloudy | x.P. | Cloudy | | | x.Clear | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | E | E | E | E | E | E | E | E | E | E | E | E | NE | E | NE | NE | E | NE | E | E | E | E | SE | S |
| Wind movement | 7 | 8 | 9 | 11 | 14 | 9 | 13 | 14 | 15 | 16 | 13 | 12 | 10 | 10 | 11 | 10 | 9 | 6 | 6 | 3 | 3 | 3 | 3 | 3 |
| Maximum velocities (exceeding 22 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:47 Character, Cloudy
Moonrise: 11:12p Clear

Sunset: Time, 5:04p Character, Cloudy
Moonset: 9:42a Cloudy

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

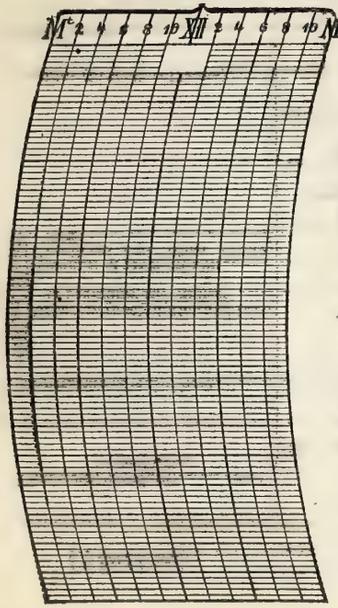
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 20 | 15 | 18 | |

Total depth of snow for 24 hours ending 7 p. m., 1.0 inches.
Snow, sleet, and hail on ground 7 p. m., 1.0 inches.
Total snowfall, midnight to midnight, 1.0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .08 ins.
Total precipitation, midnight to midnight, .08 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 10.3
Per cent of possible sunshine, 0
Prevailing wind direction, E Total wind 208
Average hourly velocity, 9.1 Extreme velocity, 21
Maximum velocity, 19 Direction, E
Time began, 8:43 a.m.
Reduced barometer, 30.26 7 a. m. 30.22 7 p. m.
River gage, 5.6 Fall
Relative humidity, 84 7 a. m. 80 7 p. m.

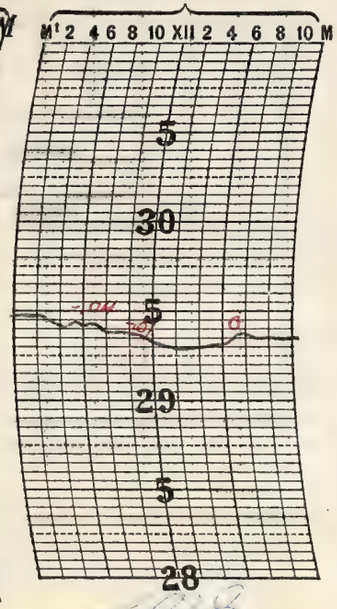
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 16.8 Wet temperature, 16.1
Dew-point, 14 R. humidity, 88 V. pressure, 30.09
Clouds: Amount, 10; Kind, Ns; Direction,
Velocity of clouds (miles per hour)

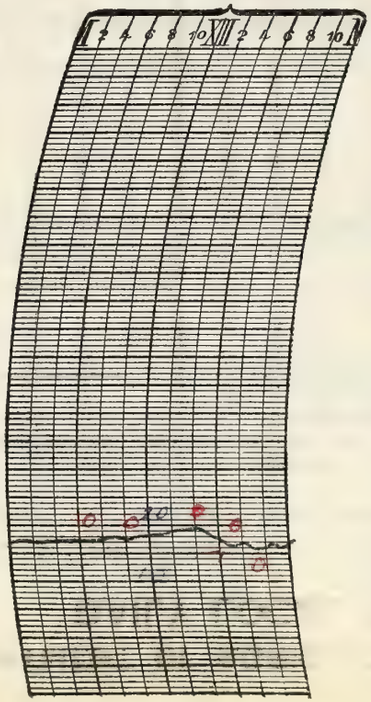
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by
Verified by C. M. Dowreyk

8—486

## NOTES.

Clear and light floating ice observed this morning.
Hourly 12 Noon observations (75th Meridian Time) called for by the Chicago Office.
At Chicago and other stations mild light moist air flowing. Clearing and cold by the day light hours.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) FEB 7 1923, 192

Time (local standard), 90th mer. normal time.

| | A. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 17 | 16 | 17 | 18 | 18 | 20 | 21 | 24 | 26 | 27 | 24 | 24 | 28 | 27 | 26 | 25 | 25 | 24 | 25 | 25 | 26 | 26 | 24 | 23 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | S7B 0H15 | | | | | | | | | | | S3E 2:30 | | | | | | | | | |
| Amounts of precipitation | | | | — | — | — | — | — | — | — | — | — | — | — | — | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Cloudy | | | | | | | | Cloudy | | | | | | | Cloudy | | |

Sunrise: Time, 6:43 Character, Cloudy. Moonrise: —

Sunset: Time, 5:05 Character, Cloudy. Moonset: 10:28a Cloudy

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | |
| Wind direction | S | S | SE | SE | SE | SE | S | SE | S | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW |
| Wind movement | 3 | 4 | 4 | 4 | 6 | 5 | 5 | 5 | 9 | 9 | 9 | 11 | 11 | 14 | 14 | 12 | 13 | 13 | 9 | 7 | 11 | 16 | 13 | 13 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

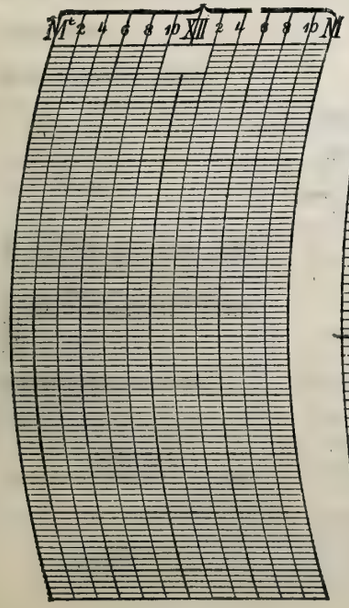
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 29 | 16 | 22 | |

Total depth of snow for 24 hours ending 7 p. m., 0.2 inches.
Snow, sleet, and hail on ground 7 p. m., 1.0 inches.
Total snowfall, midnight to midnight, 0.2 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0.2 ins.
Total precipitation, midnight to midnight, 0.2 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10),
Actual sunshine, hours, 0 Possible sunshine, hours, 10.3
Per cent of possible sunshine, 0
Prevailing wind direction, SW Total wind 225
Average hourly velocity, 9.4 Extreme velocity, 21
Maximum velocity, 2 Direction, SW
Time began,
Reduced barometer, 30.24 7 a. m. 30.19 7 p. m.
River gage, 4.4 Feet
Relative humidity, 89 7 a. m. 87 7 p. m.

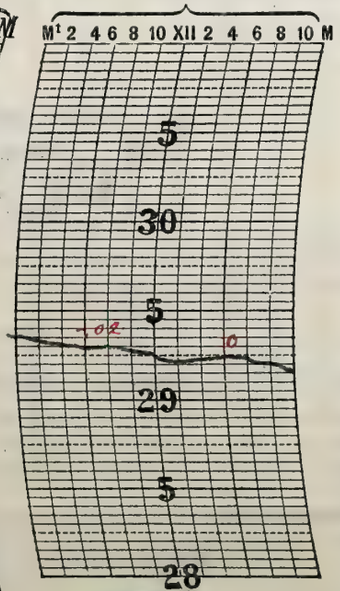
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 28.0 Wet temperature, 26.6
Dew-point, 24 R. humidity, 82 V. pressure, 12.4
Clouds: Amount, 10; Kind, Nb; Direction, SW
Velocity of clouds (miles per hour)

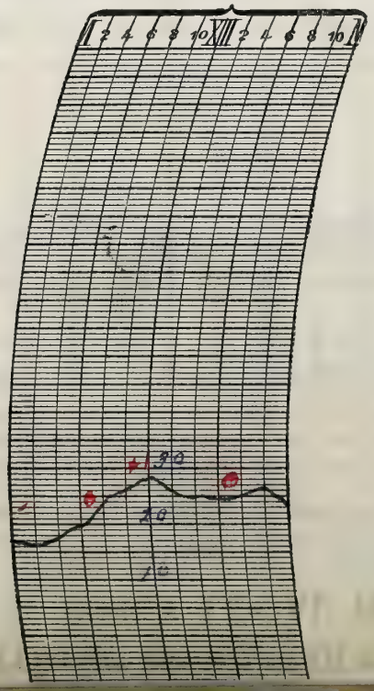
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by
Verified by P. M. Denny

## NOTES.

Snow was observed this morning
Snow 7 a.m. — T
Snow on ground at 7 a.m. 1.0
It cloudy and cold day with
light wind during the morning and
early afternoon hours.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Thursday, (Date) FEB 6 1913, 192

Time (local standard). 90° mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 22 | 22 | 23 | 27 | 29 | 29 | 30 | 30 | 31 | 34 | 37 | 38 | 38 | 39 | 38 | 38 | 37 | 36 | 35 | 34 | 33 | 31 | 30 | 28 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | Clear → | | | | | | Cloudy | Cloudy → | Cloudy | | | | Cloudy → | | | | | | | | | | | |

Sunrise: Time, 6:44 a Character, Cloudy
Moonrise: 12:21 a Clear

Sunset: Time, 5:10 p Character, Cloudy
Moonset: 11:16 a Cloudy

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0.3 | 1.6 | 1.5 | 1.5 | 1.0 | 0.4 | 0.9 | 0 | 0 | 0 | | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | W | W | W | W | NW | NW | NW | NW |
| Wind movement | 12 | 14 | 14 | 10 | 10 | 10 | 10 | 10 | 10 | 21 | 22 | 22 | 23 | 21 | 19 | 18 | 13 | 14 | 14 | 15 | 14 | 16 | 15 | 14 |
| Maximum velocities (exceeding 25 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| | Total duration. | | Total amount of precipitation. | Excessive rate. | | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | From— | To— | | Began— | Ended— | | 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

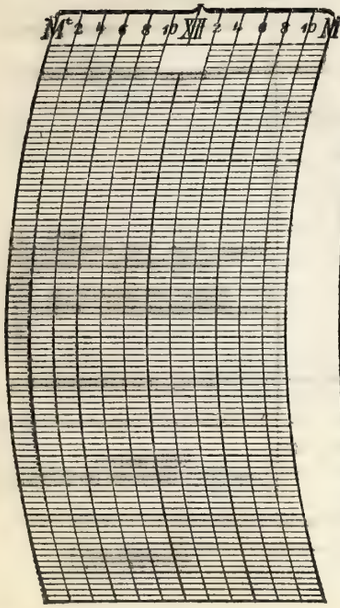
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 39 | 22 | 30 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0.6 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase, 1st Qr.
Average daily cloudiness (0–10), 8
Actual sunshine, hours, 5.2 Possible sunshine, hours, 10.4
Per cent of possible sunshine, 50
Prevailing wind direction, SW Total wind 404
Average hourly velocity, 16.8 Extreme velocity, 29
Maximum velocity, 27 Direction, SW
Time began, 12:41 p.m.
Reduced barometer, 7 a. m. 30.36, 7 p. m.
River gage, 3.8 Fall
Relative humidity, 71 7 a. m. 76 7 p. m.

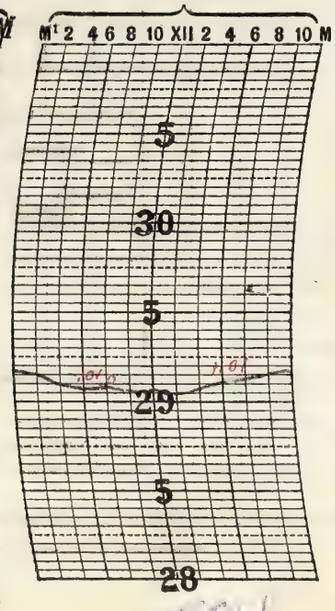
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 32.6 Wet temperature, 33.9
Dew-point, 29 R. humidity, 87 V. pressure, 157
Clouds: Amount, 8; Kind, AStr; Direction, NW
Velocity of clouds (miles per hour)

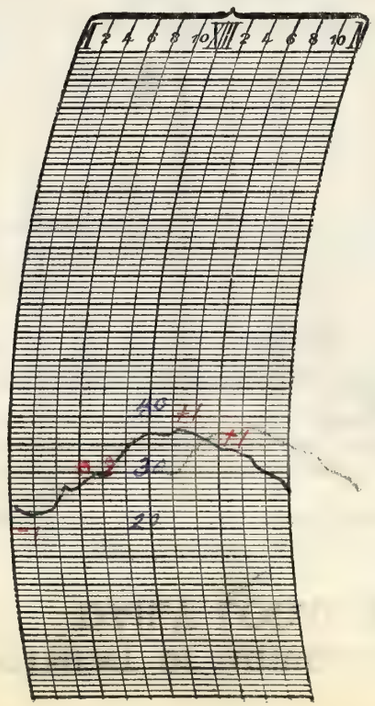
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Barometer remained highest during the day of season included this month morning hours. Rain commenced this morning. Snow on ground at 7 am 1.0 inch. A cloudy day with moderate temperatures.

Prepared by

Verified by P. M. Dunnigh

S—486

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) FEB - 1 1924, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 26 | 25 | 23 | 22 | 21 | 21 | 20 | 20 | 20 | 20 | 21 | 22 | 24 | 25 | 25 | 25 | 24 | 24 | 22 | 21 | 22 | 21 | 21 | 20 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | S"B 0NA | | | | | | | | S"E 2.. | S"B 1:59 | | | | | | | | | | |
| Amounts of precipitation | | | | | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Cloudiness and other conditions | | | | | | | Cloudy | | | | | | | | | | | | Cloudy | | | | | |
| Sunrise: Time, Character, 6:43 Cloudy. Moonrise: 12:26a | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 5:08 Cloudy. Moonset: 11:51a Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | NW | NW | NW | NW | NW | N | N | N | N | NE | NE | E | N | N | N | NE | N | NE | NE | NE | E | E | E | E |
| Wind movement | 10 | 12 | 11 | 10 | 10 | 7 | 6 | 5 | 6 | 5 | 4 | 7 | 4 | 0 | 0 | 5 | 6 | 4 | 4 | 3 | 5 | 4 | 4 | 5 |
| Maximum velocities (exceeding 19 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

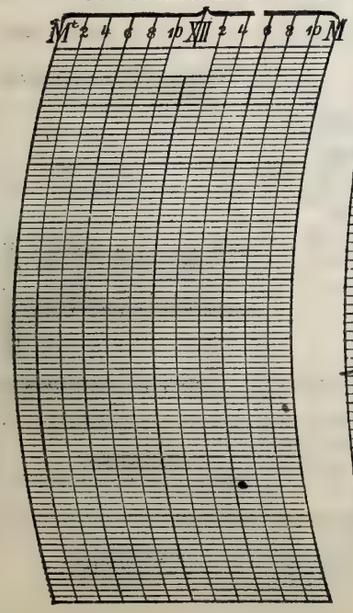
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 28 | 20 | 24 | |

Total depth of snow for 24 hours ending 7 p. m., 2.2 inches.
Snow, sleet, and hail on ground 7 p. m., [illegible] inches.
Total snowfall, midnight to midnight, 2.2 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Cloudy. Moon phase, [illegible]
Average daily cloudiness (0–10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 10.2
Per cent of possible sunshine, 0
Prevailing wind direction, E Total wind [illegible]
Average hourly velocity, 4.3 Extreme velocity, [illegible]
Maximum velocity, 16 Direction, NE
Time began, 12:20 p.m.
Reduced barometer, 30.17 7 a. m. 30.06 7 p. m.
River gage, 4.0 Fall
Relative humidity, 82 7 a. m. [illegible] 7 p. m.

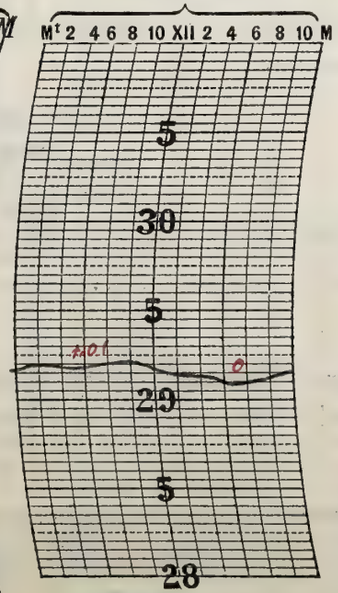
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 21.6 Wet temperature, 19.3
Dew-point, 13 R. humidity, 62 V. pressure, .074
Clouds: Amount, 10; Kind, St; Direction, NE
Velocity of clouds (miles per hour)

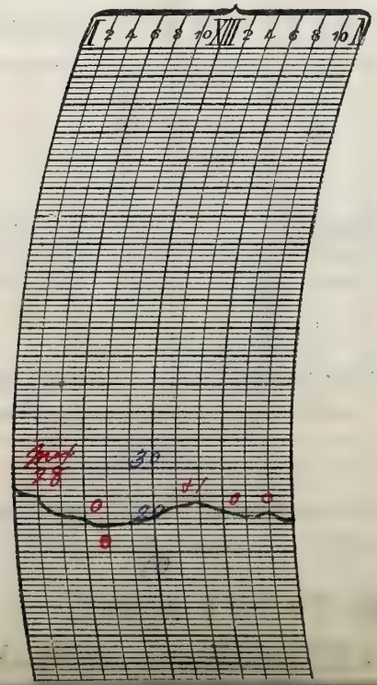
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by [illegible]
Verified by T. McDonough

NOTES.

Estimated

Shore ice observed this morning
a short distance out. Ice
was not solid enough to support
anyone.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) FEB 10 1923, 192

Time (local standard) ... mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 20 | 19 | 17 | 16 | 15 | 15 | 17 | 15 | 16 | 18 | 20 | 22 | 24 | 25 | 26 | 27 | 27 | 25 | 24 | 24 | 24 | 23 | 22 | 21 |
| State of weather. Nature of precipitation and time of beginning and ending | | | SNE 0m | | | | | | | | | | | | | | | | | | | SW 9h | | SNE 0m |
| Amounts of precipitation | — | — | | | | | | | | | | | | | | | | | | | | — | — | — |
| Cloudiness and other conditions | Cloudy | | | | | | | | Pt. Cloudy | | | | × Cloudy | | | | | | | | | | | |

Sunrise: Time, 6h42 Character, Cloudy
Moonrise: 2h28a

Sunset: Time, 6h16 Character, Cloudy
Moonset: 12h43a Cloudy

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0.0 | 0.0 | — | 1.0 | 0.6 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | N | N | N | N | N | NE | NE | NE | NE | SE | SE | — | SE | SE | SE | S | SW | E | E | E | E | — | — | — |
| Wind movement | 7 | 7 | 6 | 5 | 4 | 3 | 2 | 2 | 3 | 5 | 4 | 6 | 8 | 6 | 5 | 4 | 3 | 4 | 4 | 5 | 4 | 4 | 3 | 3 |
| Maximum velocities (exceeding ... miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

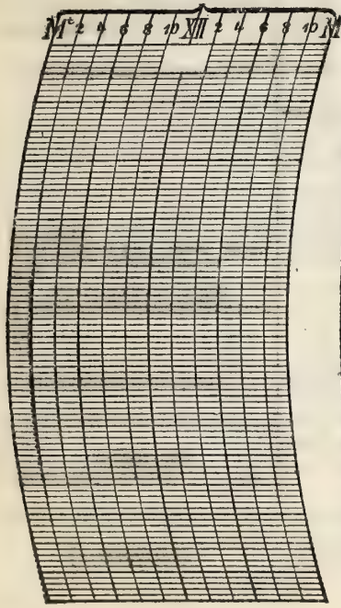
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 27 | 20 | 24 | |

Total depth of snow for 24 hours ending 7 p. m., 0.2 inches.
Snow, sleet, and hail on ground 7 p. m., 1.3 inches.
Total snowfall, midnight to midnight, 0.2 inches.
Precipitation to 7 a. m., .07 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 2.2 Possible sunshine, hours, 10.4
Per cent of possible sunshine, 36
Prevailing wind direction, N Total wind 104
Average hourly velocity, 4.6 Extreme velocity, 12
Maximum velocity, 12 Direction, SE
Time began, 12:13 P.M.
Reduced barometer, 7 a. m. 29.72 7, p. m.
River gage, 3.8 Fall
Relative humidity, 80 7 a. m. 80 7 p. m.

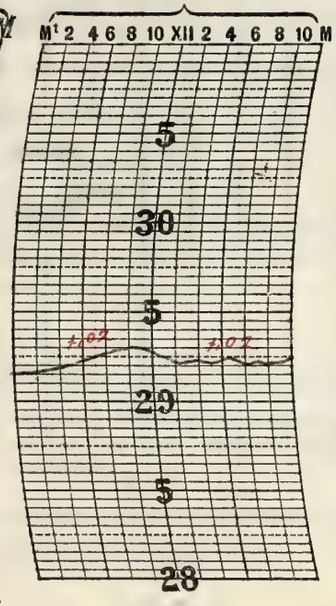
### OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 22.2 Wet temperature, 20.2
Dew-point, 13 R. humidity, 69 V. pressure, 0.11
Clouds: Amount, 6; Kind, Ast; Direction, NW
Velocity of clouds (miles per hour)

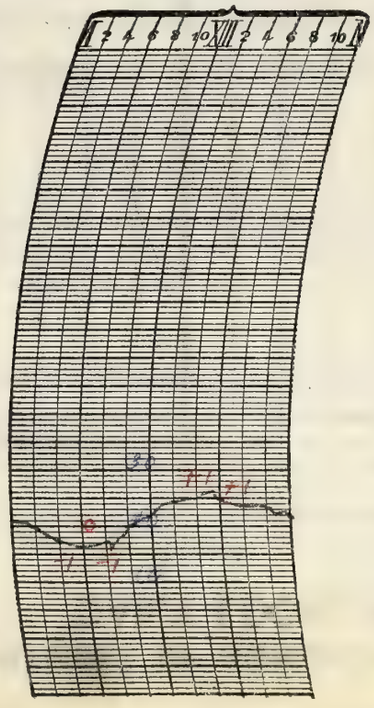
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by

Verified by C. M. Donnegan

8—486

## NOTES.

Estimated

Sunrise was observed this morning
a Partly Cloudy and cold
day

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) FEB 11 1923, 192

Time (local standard). 90° mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 22 | 21 | 14 | 20 | 22 | 23 | 20 | 23 | 24 | 24 | 25 | 26 | 27 | 24 | 22 | 22 | 21 | 20 | 16 | 16 | 24 | 20 | 20 | 19 |
| State of weather. Nature of precipitation and time of beginning and ending | | Snow began | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | Clear | | | | | | Clear | | | | | | Cloudy | | | | | | Cloudy | | | | | |
| Sunrise: Time, Character, 6:41 Cloudy. Moonrise: 3:21 | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 5:10 Cloudy. Moonset: 11:30 P | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0.2 | 0.4 | 1.6 | 0.4 | 0.2 | 0.6 | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Wind direction | SW | SW | SW | W | W | W | W | SW | SW | W | SW | W | SW | SW | SW | SW | SW | SW | SW | SW | SE | E | E | SE |
| Wind movement | 5 | 5 | 5 | 6 | 8 | 11 | 9 | 10 | 10 | 12 | 14 | 15 | 13 | 13 | 8 | 7 | 7 | 5 | 3 | 2 | 4 | 4 | 4 | 4 |
| Maximum velocities (exceeding 12 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

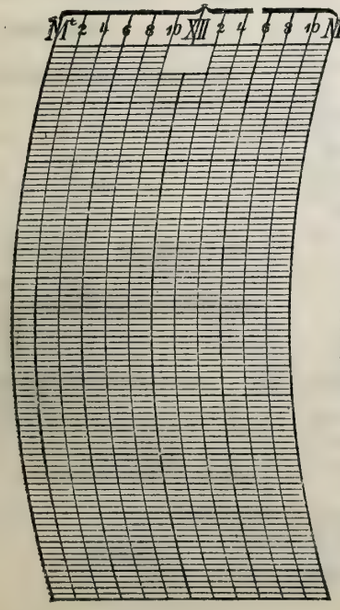
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 27 | 14 | 20.5 | |

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 4.0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, P. Cloudy. Moon phase,
Average daily cloudiness (0–10), 7
Actual sunshine, hours, 1.6 Possible sunshine, hours, 10.2
Per cent of possible sunshine, 16
Prevailing wind direction, SW Total wind 108
Average hourly velocity, 5 Extreme velocity,
Maximum velocity, 19 Direction, SW
Time began, 11:40 a. m.
Reduced barometer, 30.34 at 7 a. m. 30.11 p. m.
River gage, 3.6 Fall
Relative humidity, 86 at 7 a. m. 72 at 7 p. m.

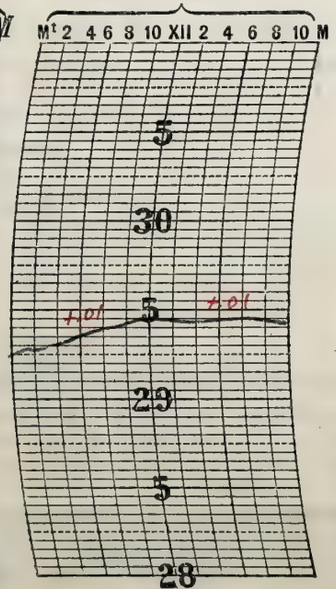
### OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 26.0 Wet temperature, 24.0
Dew-point, 22 R. humidity, 82 V. pressure, 11.3
Clouds: Amount, 10; Kind, St. Cu; Direction,
Velocity of clouds (miles per hour)

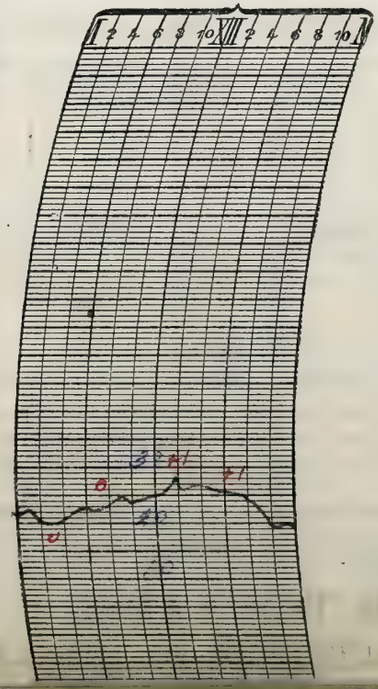
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by C.W.S.
Verified by C. McDonough

## NOTES.

Heavy ice observed this morning. Cloudy and cold day. The sun was dim and the cold penetrating.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) [illegible], (Date) FEB 12 1922, 192

| Time (local standard) 90th mer. normal time. | A. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 17 | 18 | 18 | [illegible] | [illegible] | [illegible] | [illegible] | 19 | 22 | 24 | 29 | 33 | 34 | 37 | 37 | 34 | 34 | 32 | 29 | 29 | 28 | 28 | 27 | 27 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | RB 12:30 | | | | | | | | | | RE 11:00 | |
| Amounts of precipitation | | | | | | | | | | | | | — | — | — | — | — | — | — | — | — | — | — | — |
| Cloudiness and other conditions | | | | | | | | | Cloudy | | | | | | x | F | 0 | 9 | 9 | x | | | | |
| Sunrise: Time, Character, | 6:39 Cloudy | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: | 4:42a | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, Character, | | | | | | | | | | | | | | | | | | | | | 5:12 Cloudy | | | |
| Moonset: | | | | | | | | | | | | | | | | | | | | | 2:09p Foggy | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 2 | [illegible] | 0 | 0 | 0 | 0 | 0 | [illegible] | [illegible] | [illegible] | | | | | | |
| Wind direction | E | E | SE | SE | E | E | E | E | E | E | SE | SE | SE | E | E | E | SE | S | S | S | SW | W | W | NW |
| Wind movement | 8 | 7 | 6 | 6 | 4 | 9 | 8 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 5 | 6 | 5 | 7 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| Maximum velocities (exceeding 20 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

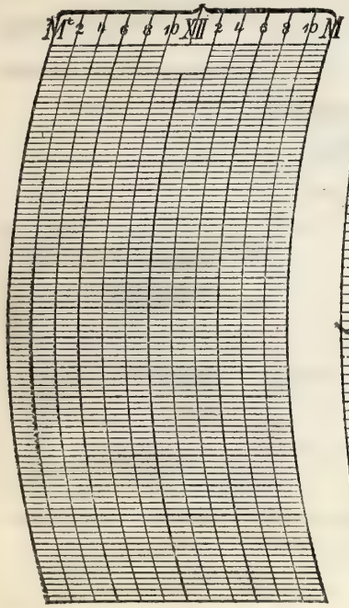
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 40 | 17 | 28 | ✓ |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 2 a. m., 0 ins.; to 7 p. m., .54 ins.
Total precipitation, midnight to midnight, .55 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10),
Actual sunshine, hours, 0 Possible sunshine, hours, 10.6
Per cent of possible sunshine, 0
Prevailing wind direction, E Total wind 207
Average hourly velocity, 8.6 Extreme velocity, 18
Maximum velocity, 18 Direction, S
Time began, 7:35 PM
Reduced barometer, 30.18 7 a. m. 29.65 7, p. m.
River gage, 3.4 feet
Relative humidity, 88 7 a. m. 100 7 p. m.

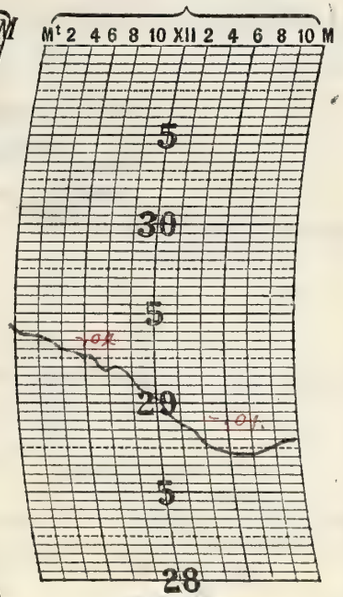
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 34.2 Wet temperature, 30.9
Dew-point, 26 R. humidity, 69 V. pressure, .136
Clouds: Amount, 10; Kind, Str; Direction, W
Velocity of clouds (miles per hour)

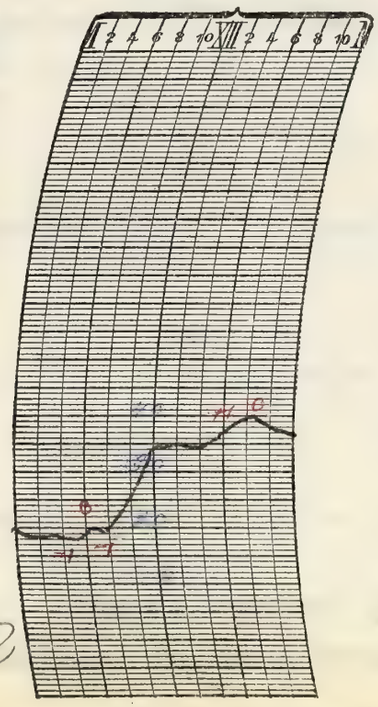
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by
Verified by F. W. Dorsey

8—486

## NOTES.

When ice formed the morning at sunrise day with moderate temperature and rain and drizzle prevailed in the afternoon and night. Dense fog began 11:40 p.m. Dense fog reached - Continued

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Reno, (Day of week) _____, (Date) _____, 192

Time (local standard)..... mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 36 | 36 | 36 | 35 | 35 | 32 | 31 | 34 | 34 | 33 | 33 | 32 | 28 | 30 | 28 | 29 | 30 | 30 | 28 | 33 | 26 | 21 | 19 | 18 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | RB 12:50 | | | | | 6E 5:23 | | | | Sno 9:15 | | Sno 0:00 |
| Amounts of precipitation | | | | | | | | | | | | | — | — | — | — | — | — | — | — | — | — | — | — |
| Cloudiness and other conditions | | | | | | | Cldy | | | | | Cloudy | | | | | Cloudy | | | | | | | |
| Sunrise: Time, Character, Moonrise: | 6:38 Cloudy 6:04a Cloudy | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, Moonset: | 5:13 Cloudy 2:24 p Cloudy | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | W | W | W | W | W | SW | SW | S | SW | SE | SE | E | E | E | E | E | E | N | N | W | | | | |
| Wind movement | 14 | 9 | 10 | 8 | 7 | 9 | 3 | 3 | 3 | 2 | 0 | 0 | 8 | 0 | 0 | 3 | 6 | 21 | 21 | 25 | 33 | 2 | | |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | 34 W 2:22 | 42 W 8:07 | 32 W 9:12 | 30 W 10:02 | 30 W 11:28 |

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

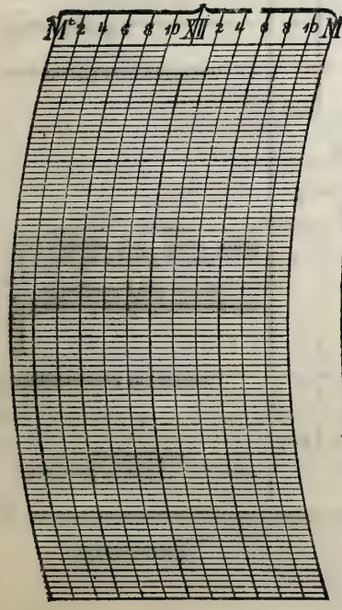
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 44 | 18 | 31 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., .01 ins.; to 7 p. m., .06 ins.
Total precipitation, midnight to midnight, .06 inches.
Character of day, Cloudy Moon phase, _____
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 10.6
Per cent of possible sunshine, 0
Prevailing wind direction, W Total wind 330
Average hourly velocity, 10.5 Extreme velocity, 44
Maximum velocity, 42 Direction, W
Time began, 2:00 a.m.
Reduced barometer, 29.73 a. m. 29.85 p. m.
River gage, 0.2 1:00
Relative humidity, 93 a. m. 71 p. m.

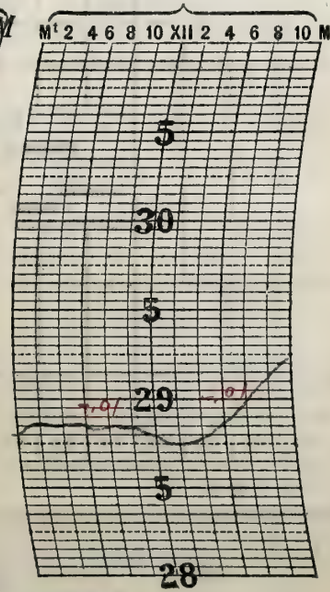
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 32.0 Wet temperature, 32.0
Dew-point, 32 R. humidity, 100 V. pressure, .219
Clouds: Amount, 10; Kind, St; Direction, E
Velocity of clouds (miles per hour)

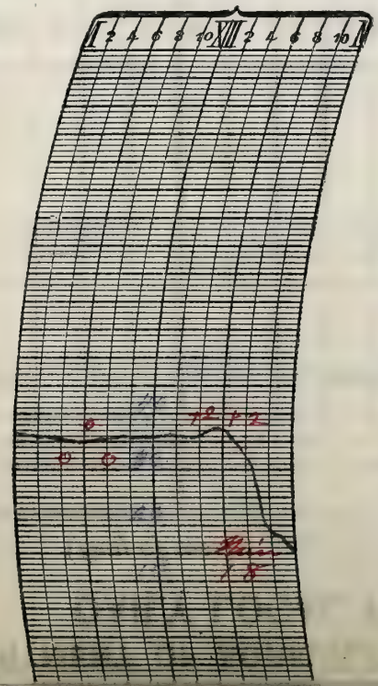
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by _____
Verified by P. McDonough

## NOTES.

Dense Fog began - Cont'd. Dense Fog ended 8:45 a.m.
Light Fog began - 8:45 a.m. Light Fog ended 7:30 p.m.
Dense Fog began - 7:30 p.m. Dense Fog ended 8:00 a.m.
Light Fog began - 9:25 a.m. Light Fog ended 5:00 p.m.

The fog became so dense at 8:45 a.m. that Orita #30 put away from the office were stopped until 9:35 a.m. & the ware warning issued on account of fog. It was practically on all outlines and closed to all but local traffic.

A cloudy day with air temp. 32 & humid and moist temperature which began falling rapidly at 1 p.m. and accompanied by increasing velocity and

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) FEB 14 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 10 | 15 | 15 | 14 | 14 | 11 | 9 | 9 | 10 | 10 | 10 | 10 | 11 | 10 | 9 SW 2:05 | 8 SE 3:30 | 8 | 7 | 6 | 6 | 6 | 6 | 5 | 7 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← Clear | | | | | → | Cloudy | | | | | | | | | | | |
| Sunrise: Time, 6:37 Character, Clear | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 5:11 Character, Cloudy | | | |
| Moonrise: 5:11 a Clear | | | | | | | | | | | | | | | | | | | | | Moonset: 2:45 Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | | .38 | 1.0 | | | | | 0.6 | 0.4 | | | | | | | | | | |
| Wind direction | W | W | W | W | W | W | W | W | W | | | | W | W | W | W | W | W | W | | | | | |
| Wind movement | 2 | 2 | 2 | 2 | 4 | 4 | 5 | 7 | 5 | 2 | 2 | 2 | 24 | 32 | 31 | 28 | 26 | 5 | 2 | | 2 | 2 | 1 | 1 |
| Maximum velocities (exceeding 20 miles) direction and time | W | | W | W | W | W | 6:33 | 7:23 | 8:03 | 9:05 | 10:23 | | W | W | W 2:02 | W 3:02 | W 4:05 | W 5:25 | W 6:32 | W 7:20 | | | | |

| | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

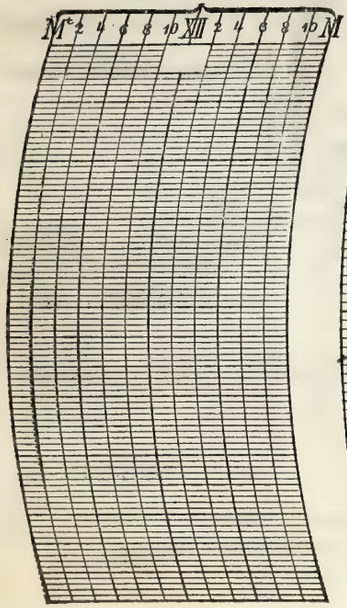
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 18 | 4 | 11 | |

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 9 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, P.M. Cloudy Moon phase,
Average daily cloudiness (0–10), 5
Actual sunshine, hours, Possible sunshine, hours,
Per cent of possible sunshine, 58
Prevailing wind direction, W Total wind 1100
Average hourly velocity, 22.8 Extreme velocity, 53
Maximum velocity, 53 Direction, W
Time began, 12:20 a.m.
Reduced barometer, 30.57 a. m. 30.55 p. m.
River gage, 8.8
Relative humidity, a. m. p. m.

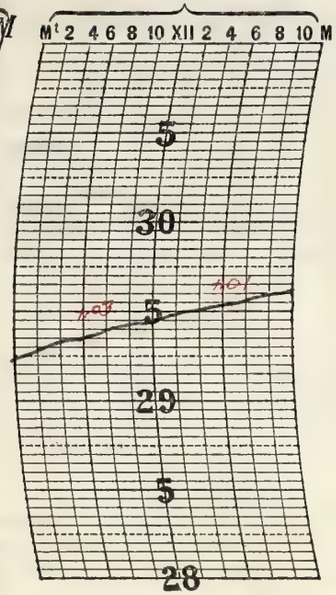
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 9.2 Wet temperature, 6.8
Dew-point, -6 R. humidity, 47 V. pressure, 028
Clouds: Amount, 5; Kind, St; Direction,
Velocity of clouds (miles per hour)

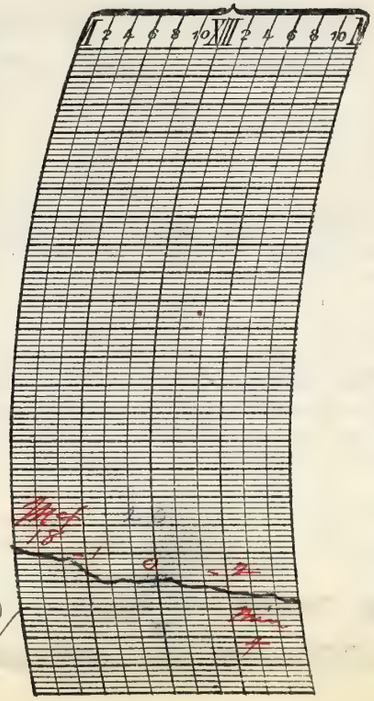
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by
Verified by P. M. Donnigh

8—486

## NOTES.

Sunrise is observed but incorrect
Snowfall at 7:00 a.m. — Trace
a Inquiry relative amount
days. Thunderstorms from the
east which began on the night
of the 13th terminated at about hour
for the day shower
was the evening down
clock at the Weather Bureau Observation
of

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) FEB 15 1923, 192

Time (local standard). 90 mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 4 | 3 | 3 | 2 | | | | 2 | 4 | 6 | 8 | 9 | 10 | 11 | 12 | 12 | 11 | 11 | 10 | 10 | 9 | 9 | 8 | 8 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | x | Clear | | | | | + | Pt. Cloudy | | x | Clear | | | | | | | |
| | Sunrise: Time, 6:35 Character, Clear. Moonrise: 6:21a Clear | | | | | | | | | | | | | | | | | | | | Sunset: Time, 5:10 Character, Cloudy. Moonset: 5:03p Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | | .42 | 1.0 | 0.4 | | | | 1.0 | 0.9 | 0.0 | | | | | | | | | |
| Wind direction | W | W | W | W | W | W | W | W | W | W | W | W | NW | NW | NW | NW | NW | W | W | W | W | W | W | |
| Wind movement | 21 | 20 | 17 | 18 | 18 | 20 | 24 | 16 | 18 | 20 | 18 | 15 | 17 | 18 | 17 | 16 | 14 | 12 | 10 | 11 | 10 | 12 | 14 | 18 |
| Maximum velocities (exceeding ____ miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

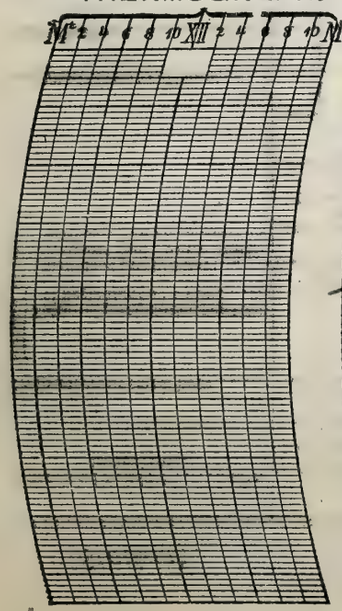
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 12 | 1 | 6 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, New 11:09p.
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 8.0 Possible sunshine, hours, 10.2
Per cent of possible sunshine, 75
Prevailing wind direction, W Total wind 392
Average hourly velocity, 16.3 Extreme velocity, 22
Maximum velocity, 25 Direction, W
Time began, 12:40 p.m.
Reduced barometer, 30.68 7 a. m. 30.60 2, p. m.
River gage, 5.8 Flood 12.
Relative humidity, 72 7 a. m. 83 7 p. m.

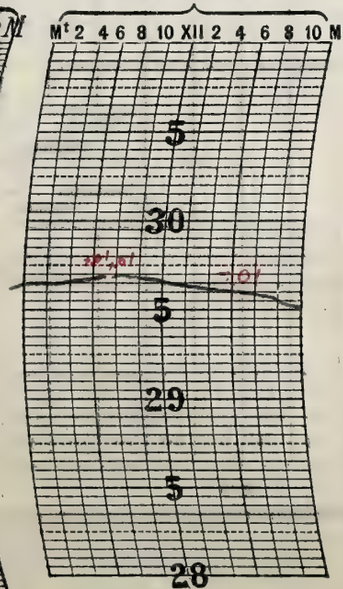
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 9.1 Wet temperature, 7.0
Dew-point, -3 R. humidity, 53 V. pressure, .032
Clouds: Amount, 2; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

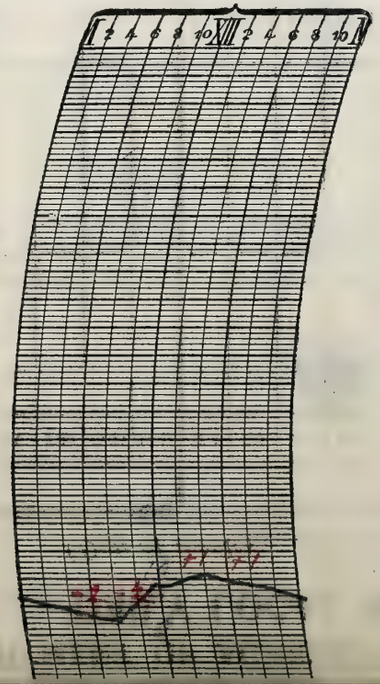
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by

Verified by P. McDonough

## NOTES.

Shortly after noon there was a rush westerly wind of the night of the 13th, continuing through the 14th and marked change in temperature.

A clear and cold day with moderate, penetrating westerly winds.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(*Station*) ....., (*Day of week*) ....., (*Date*) ....., 192 .

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 8 | 10 | 11 | 12 | 14 | 15 | 15 | 16 | 16 | 16 | 15 | 15 | 13 | 13 | 14 | 13 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | S7B 9:55 | S7B 10:10 S8B 10:59 | | S7E 12:15 | | | | | | S7B 6:38 | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Clear | | | Mostly Cloudy | | | Cloudy | Rain | Clear | | | | Cloudy | | | | | |
| Sunrise: Time, Character, 6:34a Clear. Moonrise: 6:50a Clear | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 5:14 Cloudy. Moonset: 6:42p Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | | .4 0 | 3 0 | | | | | 0.6 | 0.5 | | | | | | | | | | |
| Wind direction | W | W | W | W | W | N | N | N | W | W | W | W | W | WNW | NW | WNW | W | W | W | | | | | |
| Wind movement | 15 | 15 | 15 | 15 | 13 | 12 | 14 | 11 | 16 | 17 | 15 | 18 | 16 | 17 | 15 | 13 | 15 | 11 | 12 | 15 | 12 | 9 | 11 | 11 |
| Maximum velocities (exceeding ... miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

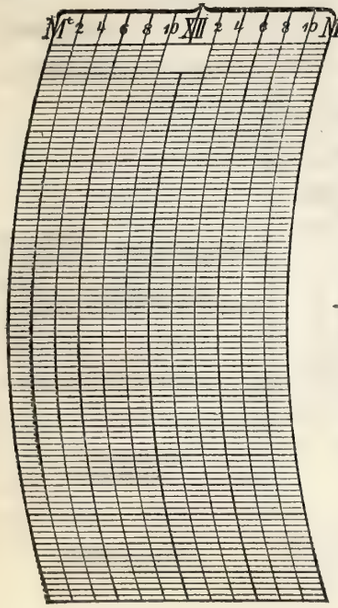
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 17 | 15 | 16 | |

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy Moon phase, .....
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 5.1 Possible sunshine, hours, 10.7
Per cent of possible sunshine, 47
Prevailing wind direction, W Total wind 353
Average hourly velocity, 14.7 Extreme velocity, 24
Maximum velocity, 24 Direction, .....
Time began, 7:00 .....
Reduced barometer, 29.58 a. m. 30.14 p. m.
River gage, 5.2 feet
Relative humidity, 84 a. m. 57 p. m.

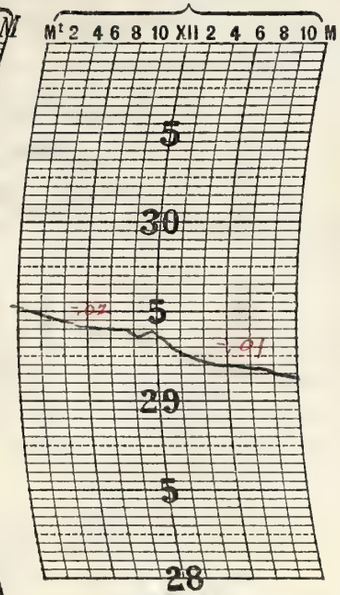
**OBSERVATIONS AT 12 NOON.**
(Local Mean Time.)

Dry temperature, 11.0 Wet temperature, 10.0
Dew-point, 6 R. humidity, 79 V. pressure, 0.52
Clouds: Amount, 9; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour) .....

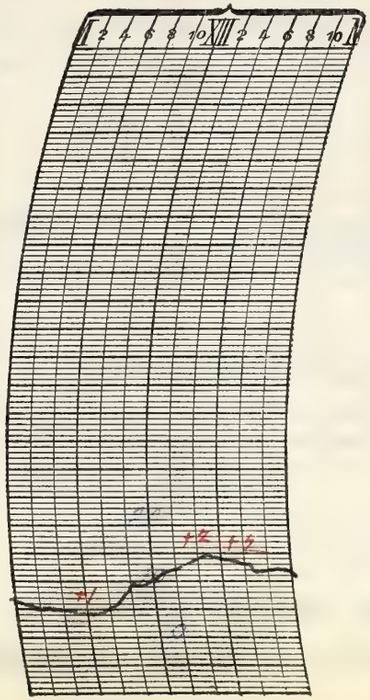
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



*Prepared by* .....
*Verified by* F. McDonough

8—480

## NOTES.

Rain and light flurries of snow
throughout the morning.
A heavy cloudy and cold
day with occasional snow flurries.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wingate, N.M., (Day of week) Saturday, (Date) FEB 1, 1925, 192

Time (local standard) 90° mer. normal time.

| State of weather. | A. M. 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | P. M. 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 11 | 10 | 10 | 10 | 9 | 9 | 9 | 10 | 11 | 12 | 13 | 15 | 17 | 15 | 15 | 14 | 11 | 7 | 6 | 5 | 4 | 4 | 4 | 4 |
| Nature of precipitation and time of beginning and ending | | | – | | | | | | | | | | | SnE 1:45 | | | | | | | | | SnW 10:20 | |
| Amounts of precipitation | – | – | – | – | – | – | – | – | – | – | – | – | – | – | | | | | | | | | | – |
| Cloudiness and other conditions | | | | | | | | | Cloudy | | | | Cloudy | | | | | | | | | | | |
| Sunrise: Time, Character, Moonrise: | 6:33 Clear | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 3 | 5 | 3 | | | 0 | 0 | 0 | | 8 | 3 | | | | | | |
| Wind direction | W | W | W | W | W | W | W | W | | | | | NW | W | W | W | W | W | W | W | W | W | W | |
| Wind movement | | | | | | | | | | | | | | | | | | | | | | | | |
| Maximum velocities (exceeding ___ miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

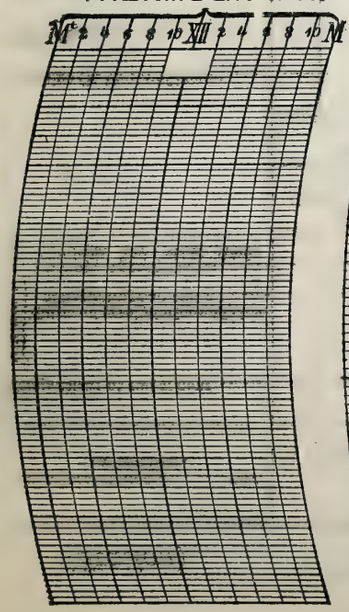
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 17 | 4 | 10 | |

Total depth of snow for 24 hours ending 7 p. m., 0.2 inches.
Snow, sleet, and hail on ground 7 p. m., 0.2 inches.
Total snowfall, midnight to midnight, 0.2 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 8
Actual sunshine, hours, 2.5 Possible sunshine, hours, 10.8
Per cent of possible sunshine, 23
Prevailing wind direction, W Total wind 277
Average hourly velocity, 12.5 Extreme velocity, 30
Maximum velocity, 19 Direction, W
Time began, 4:05 p.m.
Reduced barometer, 7 a. m. ; p. m.
River gage, ft. ft.
Relative humidity, 84 7 a. m. 55 7 p. m.

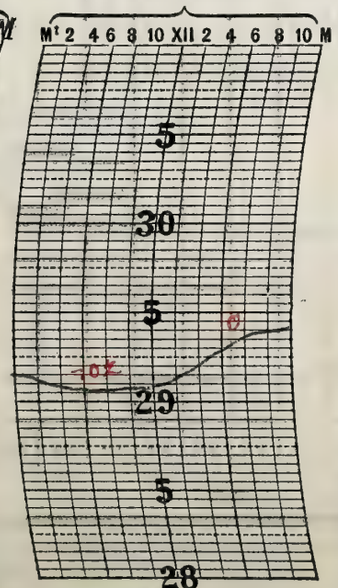
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 15.0 Wet temperature, 14.0
Dew-point, 11 R. humidity, 82 V. pressure, .06.6
Clouds: Amount, 10; Kind, Nb; Direction, NW.
Velocity of clouds (miles per hour)

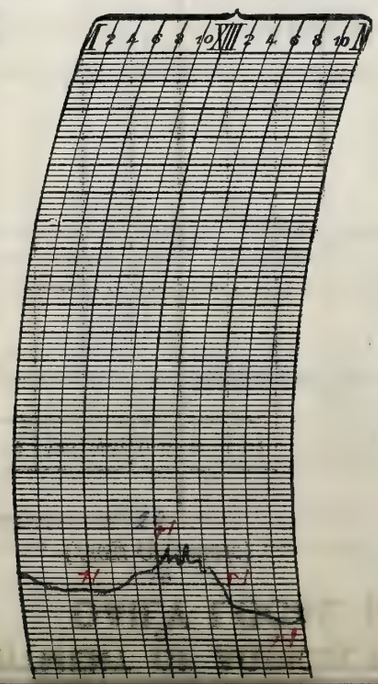
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by BDS

Verified by F. McDonough

## NOTES.

Snow was observed this morning
Mountains to the
N. Sunset and orbit with next
report during the am and rain pm
hours.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) _____, (Day of week) Sunday, (Date) FEB 12 1922, 192

Time (local standard). 90° mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 6 | 6 | 7 | 8 | 9 | 10 | 12 | 10 | 8 | 9 | 13 | 17 | 16 | 16 | 18 | 17 | 17 | 16 | 16 | 15 | 15 | 15 | 14 | 13 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | 9:40 | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Cloudy | | | Clear | | | Clear | | | | | | | | | | | |

Sunrise: Time, 6:31 Character, Cloudy
Moonrise: 2:05a Cloudy
Sunset: Time, 5:19 Character, Clear
Moonset: 8:16p Clear

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sunshine (in tenths of hours) | | | | | | | | | | | | | | | | | 0.6 | .32 | | | | | | |
| Wind direction | W | W | W | SW | SW | SW | W | SW | SW | S | W | W | SW | W | W | W | W | W | W | SW | SW | SW | SW | SW |
| Wind movement | 8 | 11 | 10 | 9 | 11 | 10 | 11 | 12 | 10 | 9 | 13 | 15 | 18 | 16 | 17 | 17 | 16 | 16 | 16 | 9 | 9 | 8 | 7 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

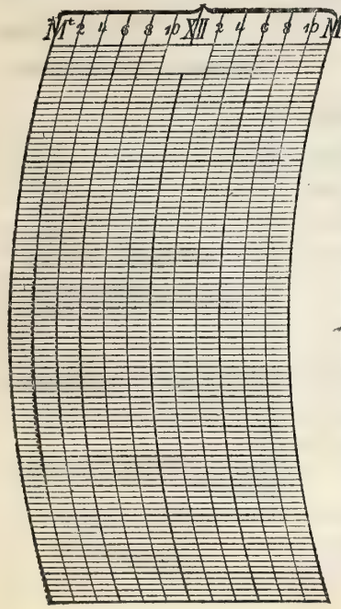
Excessive precipitation, accumulated amounts

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 19 | 4 | 12 | |

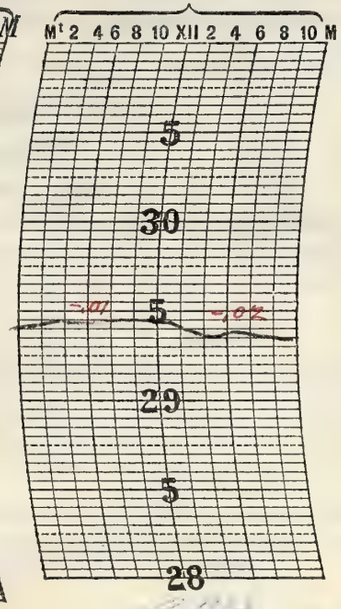
Total depth of snow for 24 hours ending 7 a. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0.6 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, PC Cloudy Moon phase, _____
Average daily cloudiness (0–10), 4
Actual sunshine, hours, 2.4 Possible sunshine, hours, 10.8
Per cent of possible sunshine, 6.6
Prevailing wind direction, S.W. Total wind 2046
Average hourly velocity, 11.4 Extreme velocity, 24
Maximum velocity, 24 Direction, S.W.
Time began, 12:36 a.m.
Reduced barometer, 30.39 7 a. m. 30.33 7 p. m.
River gage, 4.5 feet
Relative humidity, 92 7 a. m. 62 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 16.6 Wet temperature, 14.8
Dew-point, 10 R. humidity, 71 V. pressure, 06.3
Clouds: Amount, 3; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

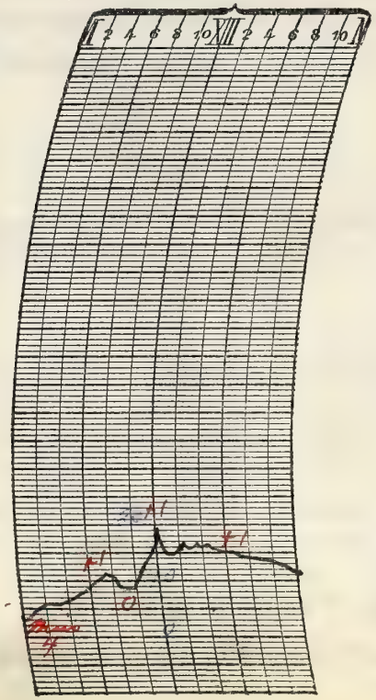
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by _____
Verified by P. McDonough

8—486

## NOTES.

Shine ice observed this morning.
A partly sunny and cold day.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Mount Pleasant, Utah, (Day of week) Monday, (Date) ____, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 11 | 11 | 10 | 10 | 10 | 10 | 10 | 12 | 16 | 21 | 25 | 26 | 31 | 32 | 31 | 30 | 27 | 27 | 27 | 27 | 27 | 26 | 25 | 24 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | SNW 3:28 | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | +Cloudy | | + MCloudy | | | | | | | + Cloudy | | | | | | | | |
| Sunrise: Time, Character, | 6:30 Cloudy | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: | 8:22 Mar Cloudy | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, Character, | | | | | | | | | | | | | | | | | | | | | 5:20 Cloudy | | | |
| Moonset: | | | | | | | | | | | | | | | | | | | | | 2:22 Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 01 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | 0 | 0 | 0 | | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | S | S | S | S | SE | SE | S | S | S | SE | SE |
| Wind movement | 8 | 8 | 7 | 8 | 8 | 8 | 9 | 8 | 8 | 7 | 7 | 7 | 16 | 16 | 15 | 14 | 11 | 6 | 9 | 7 | 9 | 9 | 7 | 5 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

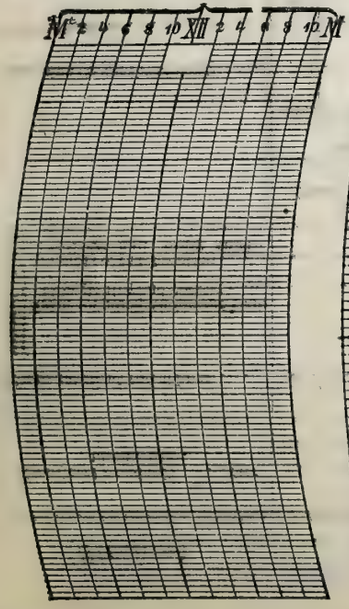
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 32 | 4 | 20 | |

Total depth of snow for 24 hours ending 7 p. m., 0.2 inches.
Snow, sleet, and hail on ground 7 p. m., 0.2 inches.
Total snowfall, midnight to midnight, 1.6 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .04 ins.
Total precipitation, midnight to midnight, .04 inches.
Character of day, Cloudy Moon phase, ____
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 5.3 Possible sunshine, hours, 10.8
Per cent of possible sunshine, 49
Prevailing wind direction, SW Total wind 225
Average hourly velocity, 9.5 Extreme velocity, 29
Maximum velocity, 19 Direction, SW
Time began, 12:12 p.m.
Reduced barometer, ____ a. m. 30.01, p. m.
River gage, ____
Relative humidity, 51 a. m. 94 p. m.

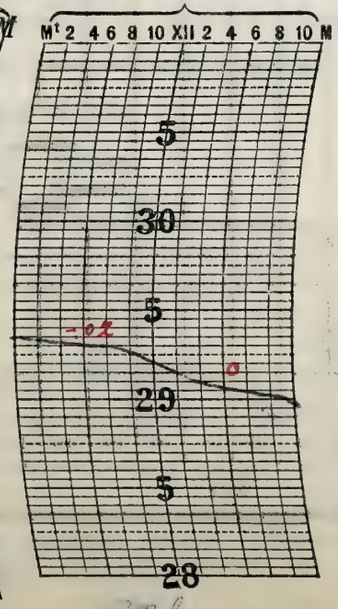
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 28.0 Wet temperature, 25.6
Dew-point, 21 R. humidity, 72 V. pressure, .108
Clouds: Amount, 5; Kind, Cist; Direction, NW
Velocity of clouds (miles per hour)

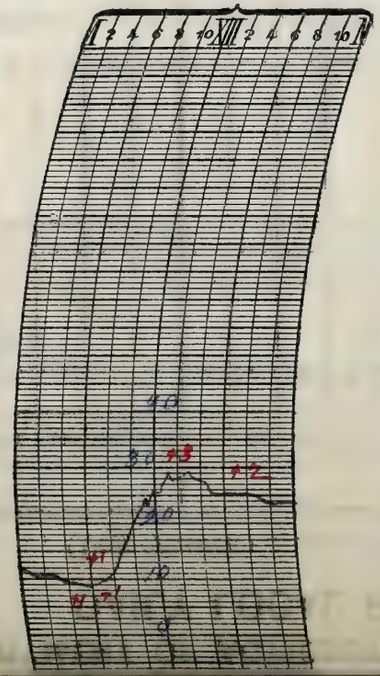
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by ____
Verified by F. McDonough

NOTES.

Estimated.

Shortly after 6 p.m. a cold wave struck Mt. Pleasant from the NW. The temperature fell 22° in this time, reaching 10° at 11:00 p.m. A cloudy day with moderately low temperatures and from the middle of the afternoon light snow fell until after midnight.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Port Huron Mich., (Day of week) Tuesday, (Date) FEB 20 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 24 | 24 | 24 | 24 | 24 | 23 | 24 | 24 | 24 | 25 | 26 | 27 | 27 | 27 | 32 | 31 | 30 | 29 | 27 | 28 | 28 | 27 | 26 | 25 |
| State of weather. Nature of precipitation and time of beginning and ending | | | S^fE DNA | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Cloudy | | | Pt Cloudy | | | Clear | | | | | | | | | | | |
| Sunrise: Time, Character, | 6:29 Cloudy | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: | 8:53a Cloudy | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, Character, | | | | | | | | | | | | | | | | | | | | | 5:24 Cloudy | | | |
| Moonset: | | | | | | | | | | | | | | | | | | | | | 10:48p Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.5 | | | | | | | | |
| Wind direction | SE | SE | NE | NE | N | NW | NW | N | N | N | NW | NW | N | N | N | NW | NW | NW | W | WNW | WNW | W | W | W |
| Wind movement | 4 | 3 | 4 | 3 | 6 | 6 | 8 | 8 | 9 | 7 | 10 | 9 | 7 | 9 | 8 | 4 | 6 | 5 | 4 | 4 | 3 | 4 | 5 | 3 |
| Maximum velocities (exceeding 27 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

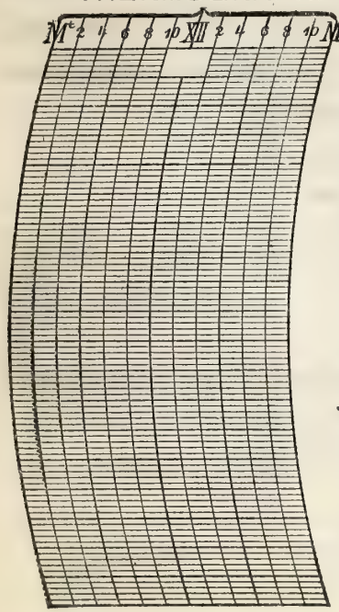
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 32 | 23 | 28 | |

Total depth of snow for 24 hours ending 7 p. m., 18 inches.
Snow, sleet, and hail on ground 7 p. m., [illegible] inches.
Total snowfall, midnight to midnight, 0.2 inches.
Precipitation to 7 a. m., .12 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, [illegible] inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 6.1 Possible sunshine, hours, 10.9
Per cent of possible sunshine, 56
Prevailing wind direction, NW Total wind 139
Average hourly velocity, 5.7 Extreme velocity, 12
Maximum velocity, 12 Direction, NW
Time began, 3:43 p.m.
Reduced barometer, 30.[illegible]2 a. m. 30.32 p. m.
River gage, 4.0 Feet
Relative humidity, [illegible] a. m. 8[illegible] p. m.

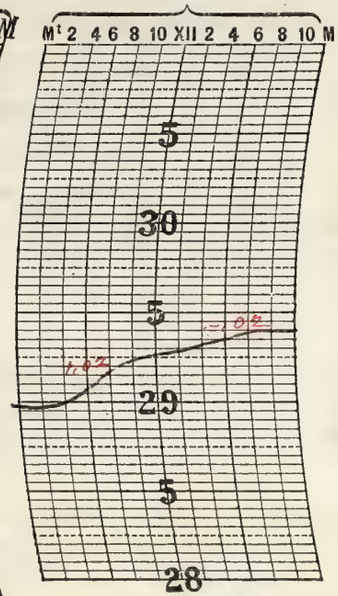
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 28.0 Wet temperature, 26.0
Dew-point, 22 R. humidity, 77 V. pressure, .113
Clouds: Amount, 3; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

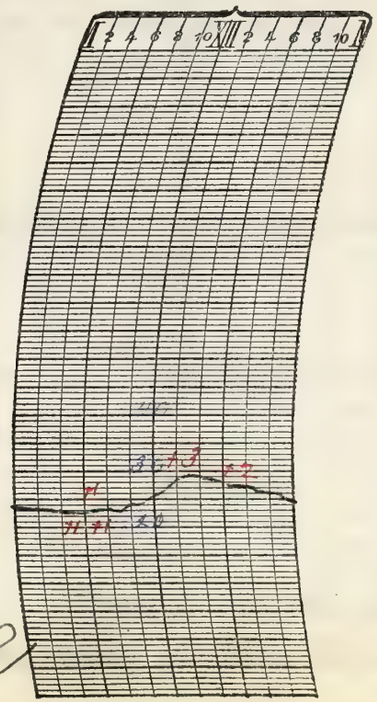
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by

Verified by P. McDonough

S—486

## NOTES.

Shore ice was observed along the river this morning. A heavy sheet and moderately cold.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) [illegible], (Date) [illegible], 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 24 | 23 | 19 | 19 | 17 | 19 | 22 | 23 | 27 | 28 | 30 | 31 | 34 | 34 | 36 | 35 | 32 | 31 | 30 | 29 | 30 | 28 | 27 | 27 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | S 7:15 | | S 11:45 |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | — | — | — |
| Cloudiness and other conditions | | | | | | | ← Cloudy | | | | | | Cloudy → | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | c | c | c | | o | | 0.6 | 0 | 0.1 | 0.3 | c | 8 | | | | | | |
| Wind direction | W | W | W | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | W | SW | W | W | NW | | W | W | NW | W | |
| Wind movement | 3 | 3 | 4 | 4 | 6 | 6 | 8 | 12 | 13 | 13 | 13 | 13 | 15 | 12 | 16 | 18 | 18 | 14 | 12 | 12 | 14 | 18 | 16 | |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:27 Character, Cloudy
Moonrise: 9:12 a.m. Cloudy

Sunset: Time, 5:22 Character, Cloudy
Moonset: 11:44 p.m.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

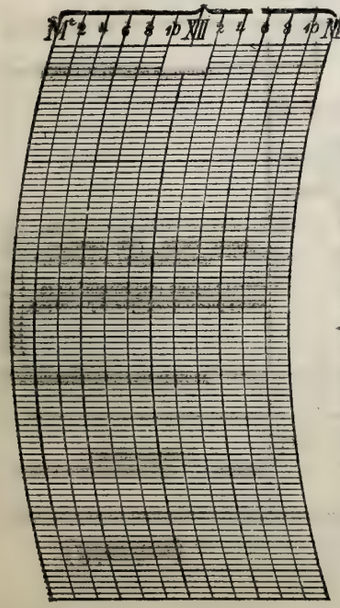
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 36 | 17 | 26 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 1.0 inches.
Total snowfall, midnight to midnight, [illegible] inches.
Precipitation to [illegible] a. m., [illegible] ins.; to [illegible] p. m., 0 ins.
Total precipitation, midnight to midnight, [illegible] inches.
Character of day, Cloudy Moon phase, [illegible]
Average daily cloudiness (0–10), 10
Actual sunshine, hours, 1.0 Possible sunshine, hours, [illegible]
Per cent of possible sunshine, 7
Prevailing wind direction, SW Total wind [illegible]
Average hourly velocity, [illegible] Extreme velocity, [illegible]
Maximum velocity, 24 Direction, NW
Time began, 8:15 p. m.
Reduced barometer, 30.29 7 a. m. 30.22 7 p. m.
River gage, 3.6 Fall
Relative humidity, [illegible] 7 a. m. 23 p. m.

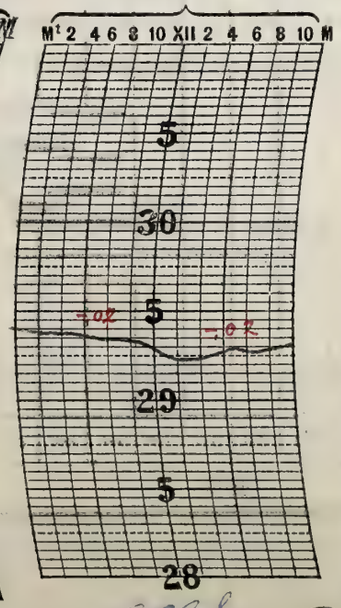
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 30.8 Wet temperature, 29.0
Dew-point, 26 R. humidity, 81 V. pressure, .13
Clouds: Amount, 10; Kind, St; Direction, S W
Velocity of clouds (miles per hour)

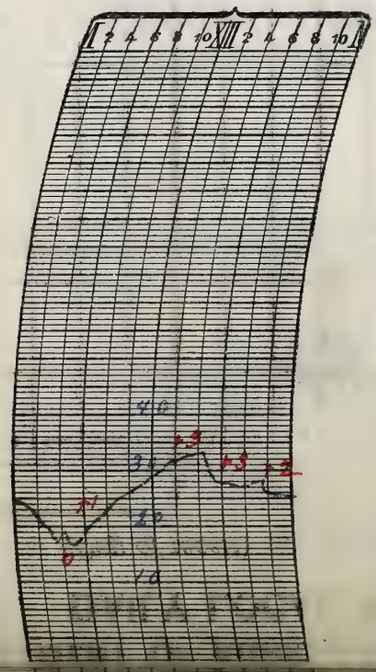
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by [illegible]

## NOTES.

Snow was observed on more than
morning
on Hourly days with the maximum
low temperature.
The snow that began at 7:15 p.m.
and ended during the night (p.m.)
was in the form of an occasional
snow flurry falling at intervals
within the period named.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(*Station*) _____, (*Day of week*) Thursday, (*Date*) _____, 192

Time (local standard). 90 mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 26 | 26 | 25 | 24 | 25 | 25 | 24 | 23 | 23 | 24 | 24 | 24 | 26 | 25 | 25 | 24 | 23 | 23 | 22 | 22 | 21 | 21 | 21 | 21 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | S m B 0 5 | | | | | | | | | | | | | | | S m E 6.10 S m B 6.59 | | | | | |
| Amounts of precipitation | | | | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Cloudiness and other conditions | | | | | | | ← | | Cloudy | | | | | | Cloudy | | | | | | | | | → |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0.2 | 0.6 | 0 | 0.3 | 0.1 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | NW | NW | W | W | W | W | W | NW | NW | NW | NW | NW | NW | W | NW | NW | NW | NW | NW | NW | NW | W | NW | N |
| Wind movement | 15 | 15 | 12 | 13 | 14 | 13 | 15 | 16 | 18 | 18 | 19 | 18 | 18 | 17 | 15 | 15 | 15 | 13 | 12 | 11 | 12 | 11 | 10 | 10 |
| Maximum velocities (exceeding 22 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:26 Character, Cloudy
Moonrise: 9:52a Cloudy

Sunset: Time, 5:24 Character, Cloudy
Moonset: 12:00M

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

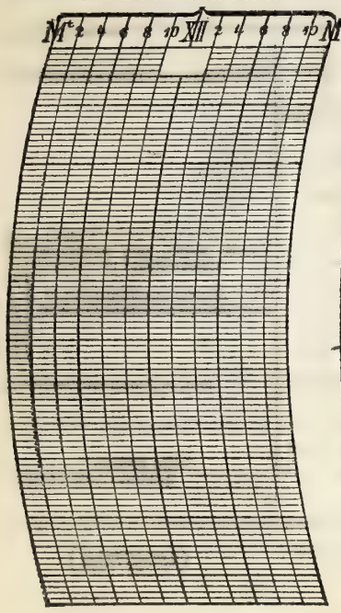
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 27 | 20 | 24 | |

Total depth of snow for 24 hours ending 2 p. m., T inches.
Snow, sleet, and hail on ground 2 p. m., 4.0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 2 a. m., T ins.; to 2 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 1.3 Possible sunshine, hours, 11.0
Per cent of possible sunshine, 12
Prevailing wind direction, NW Total wind 343
Average hourly velocity, 14.3 Extreme velocity, 23
Maximum velocity, 23 Direction, NW
Time began, 4:16 Hours.
Reduced barometer, 30.33 7 a. m. 30.44 7 p. m.
River gage, 3.4 Feet
Relative humidity, 87 7 a. m. 92 7 p. m.

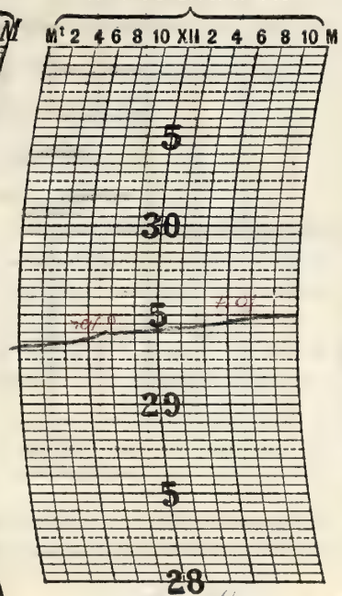
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 24.0 Wet temperature, 23.0
Dew-point, 21 R. humidity, 87 V. pressure, 108
Clouds: Amount, 10; Kind, Ns; Direction, NW
Velocity of clouds (miles per hour)

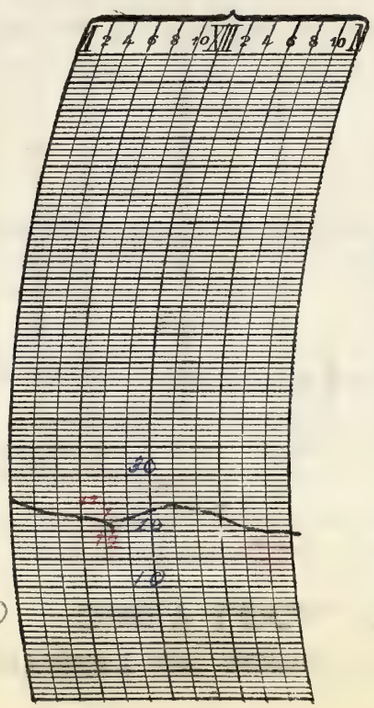
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by _____

Verified by C. M. Strong

8—486

NOTES.

* Estimated

Snow ice started this morning.
Snow 4 7 am T
A cloudy and cold day with very light snow falling during most of the hours. The weather is moderate force wind NW and penetrating

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Mount Weather Va., (Day of week) Saturday, (Date) FEB 23 1924, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 19 | 18 | 18 | 18 | 19 | 18 | 18 | 18 | 18 | 18 | | | 19 | 18 | 19 | 18 | | | 17 | 15 | | | | |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | SNE 8:45 | | | | | | | | | | | | | | | |
| State of weather. Amounts of precipitation | — | — | — | — | — | — | — | — | — | | | | | | | | | | | | | | | |
| State of weather. Cloudiness and other conditions | | | | | | | Cloudy | | Cloudy | | Cloudy | Clear | | | | Clear | | | | | | | | |
| | Sunrise: Time, 6:24 Character, Cloudy. Moonrise: 10:33a Cloudy | | | | | | | | | | | | | | | | | | | | Sunset: Time, 5:25 Character, Cloudy. Moonset: — | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.4 | 0 | | | | | | |
| Wind direction | W | W | W | W | W | W | NW | N | NE | N | N | N | N | NW | N | N | N | N | NE | NE | SE | SE | SE | SE |
| Wind movement | 10 | 11 | 10 | 10 | 9 | 9 | 9 | 11 | 9 | 12 | 11 | 11 | 13 | 12 | 12 | 8 | 8 | 6 | 3 | 4 | 2 | 3 | 6 | 2 |
| Maximum velocities (exceeding 27 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

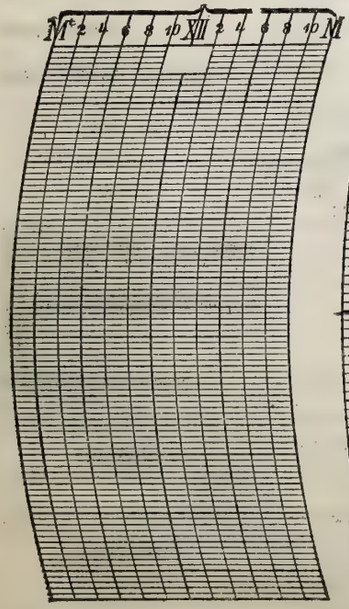
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 20 | 13 | 16 | |

Total depth of snow for 24 hours ending 7 p. m., 0.1 inches.
Snow, sleet, and hail on ground 7 p. m., 0.8 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 01 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, 0.0 inches.
Character of day, Pt. Cloudy Moon phase, FQ. 6:04pm
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 8.0 Possible sunshine, hours, 11.0
Per cent of possible sunshine, 73
Prevailing wind direction, N. Total wind, 205
Average hourly velocity, 8.5 Extreme velocity, 16
Maximum velocity, 27 Direction, NW
Time began, 11:19 a.m.
Reduced barometer, 30.5[illegible] 7 a. m. 30.[illegible] 7 p. m.
River gage, 5.2 feet
Relative humidity, [illegible] 7 a. m. [illegible] 7 p. m.

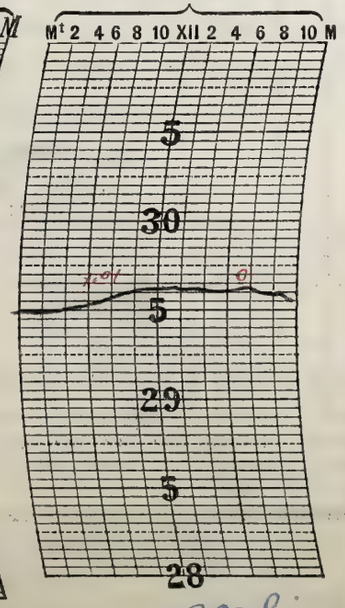
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 17.0 Wet temperature, 15.0
Dew-point, 9 R. humidity, 67 V. pressure, .060
Clouds: Amount, 1; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

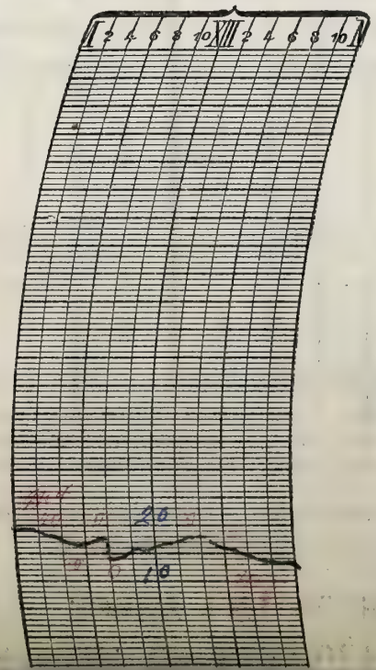
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by P. McDonough

# NOTES.

* Estimated

Snowfall 7 a.m. 0.1
Snow ice observed this morning.
A frosty cloudy and moderately cold day.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(*Station*) _____, (*Day of week*) Saturday, (*Date*) _____, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 12 | 13 | 14 | 16 | 18 | 19 | 20 | 22 | 24 | 26 | 30 | 31 | 30 | 32 | 33 | 34 | 35 | 35 | 36 | 36 | 36 | 36 | 35 | 34 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | SnB 7:10 | | SnE 9:12 | | SnB 11:45 | | SnE 1:35 | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | Cloudy | | | | | | Cloudy | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | S | S | S | S | S | C | 1 | S | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW |
| Wind movement | 7 | 7 | 9 | 10 | 12 | 14 | 18 | 0 | 23 | 27 | 29 | 23 | 25 | 24 | 27 | 24 | 24 | 20 | 21 | 16 | 16 | 13 | 13 | 13 |
| Maximum velocities (exceeding ___ miles) direction and time | | | | | | | | | | 30 SW | | 30 SW | | | 30 SW | | | | | | | | | |

Sunrise: Time, 6:23 Character, Cloudy
Moonrise: 11:55a Cloudy

Sunset: Time, 5:10 Character, Cloudy
Moonset: 12:56 —

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

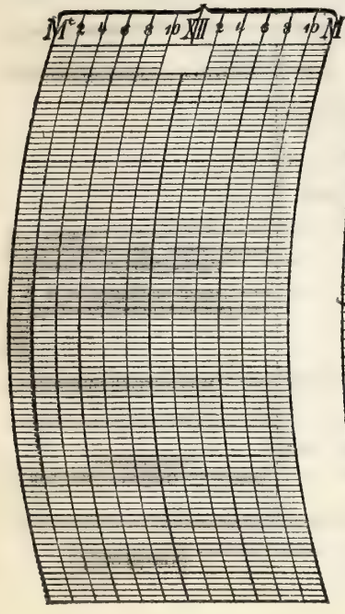
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 36 | 12 | 24 | |

Total depth of snow for 24 hours ending 7 p. m. 0.0 inches.
Snow, sleet, and hail on ground 7 p. m., 4 inches.
Total snowfall, midnight to midnight, 0.5 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .08 ins.
Total precipitation, midnight to midnight, 0.8 inches.
Character of day, Cloudy Moon phase, _____
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 11.0
Per cent of possible sunshine, 0
Prevailing wind direction, S Total wind _____
Average hourly velocity, 18.0 Extreme velocity, _____
Maximum velocity, 35 Direction, SW
Time began, 12:02 P.M.
Reduced barometer, 30.21 7 a. m. 30.03 7, p. m.
River gage, 3.1 Fall
Relative humidity, _____ 7 a. m. _____ p. m.

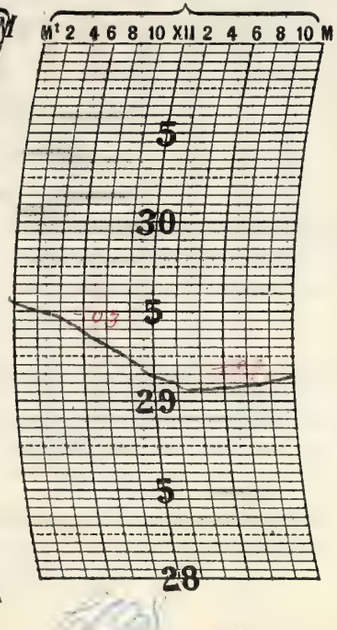
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 32.6 Wet temperature, 31.2
Dew-point, 29 R. humidity, 86 V. pressure, .157
Clouds: Amount, 10; Kind, St; Direction, S
Velocity of clouds (miles per hour) _____

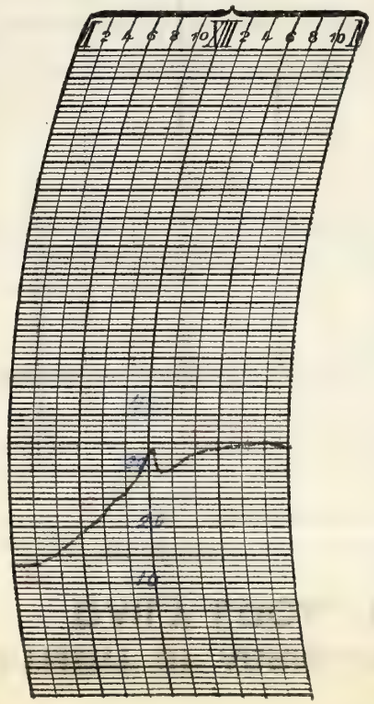
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



*Prepared by* _____
*Verified by* C. McDonough

8—486

## NOTES.

There was observed this morning a heavy hoar with unusually low temperature and occasioned much

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Worth Tex., (Day of week) Sunday, (Date) FEB 4 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 33 | 33 | 32 | 32 | 33 | 34 | 35 | 36 | 35 | 36 | 38 | 39 | 42 | 44 | 43 | 41 | 40 | 39 | 39 | 38 | 38 | 39 | 38 | |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | 11 3 9:37 | | | | | | | | 12 min |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← Cloudy | | | | | | — Cloudy | | | | | | | | | | | |
| Sunrise: Time, Character, | 6:21 Cloudy | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, | 5:00 Cloudy | | |
| Moonrise: | 12:01 Cloudy | | | | | | | | | | | | | | | | | | | | Moonset: | 1:57 a. | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | SW | SW | SW | SW | W | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | S | S | S | S | S | S | S | S |
| Wind movement | 4 | 8 | 8 | 9 | 6 | 5 | 4 | 7 | 7 | 8 | 7 | 7 | 10 | 10 | 10 | 9 | 10 | 12 | 12 | 10 | 8 | 8 | 5 | 4 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

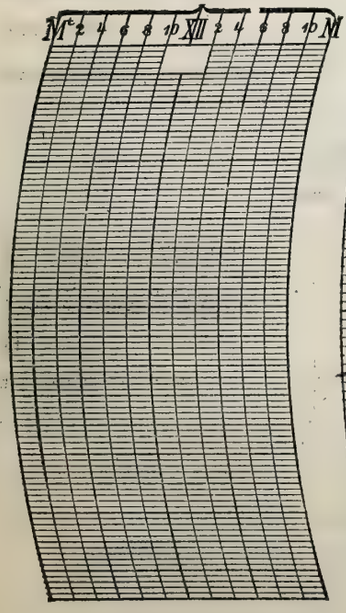
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 44 | 31 | 38 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10),
Actual sunshine, hours, 0.2 Possible sunshine, hours, 11.1
Per cent of possible sunshine, 2
Prevailing wind direction, SW Total wind, 196
Average hourly velocity, 8.2 Extreme velocity, 14
Maximum velocity, 13 Direction, S
Time began, 5:35 p. m.
Reduced barometer, 30.08 7 a. m. 30.01 7 p. m.
River gage, 3.0 Feet
Relative humidity, 95 7 a. m. 92 7 p. m.

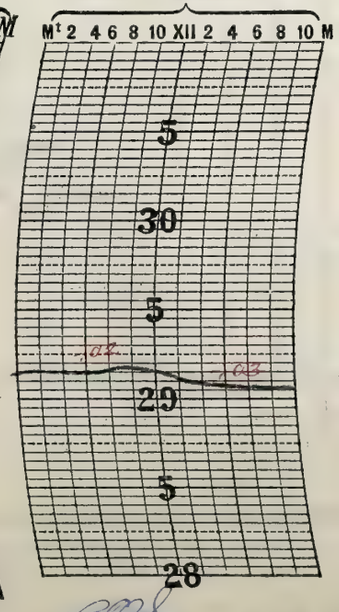
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 38.1 Wet temperature, 32.0
Dew-point, 26 R. humidity, 90 V. pressure, .211
Clouds: Amount, 10; Kind, St; Direction, SW.
Velocity of clouds (miles per hour)

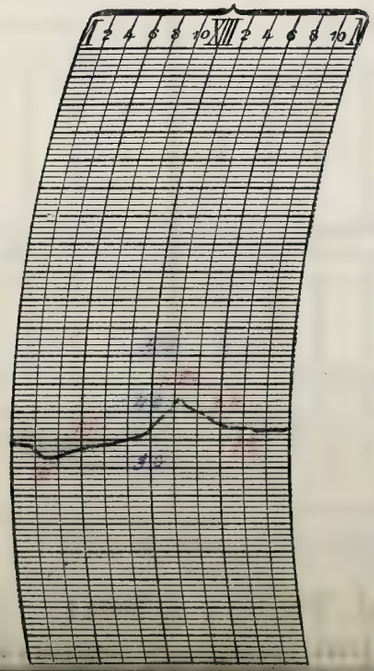
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by CBS

## NOTES.

Light fog began - 7:30 a.m.
Light fog ended - 7:45 a.m.
A cloudy day with mild temperatures and light rain falling from the middle of the afternoon

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) _____, (Day of week) Monday, (Date) FEB 26 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 38 | 39 | 40 | 39 | 39 | 39 | 39 | 38 | 38 | 39 | 41 RB 10:45 | 34 | 34 | 34 | 34 | 34 | 34 | 33 RE 5:10 | 38 | 37 | 37 | 37 | 36 RB 10:51 | 36 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| State of weather: Amounts of precipitation | | | | | | | | | | | – | – | – | – | – | – | – | – | | | | | | |
| State of weather: Cloudiness and other conditions | | | | | | | ← Cloudy | | | | | | | | | Cloudy | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | S | S | SW | SW | SW | SW | SW | S | S | S | S | N | NW | NE | NE | NE | NE | N | N | N | NE | N | NE | N |
| Wind movement | 7 | 10 | 10 | 9 | 8 | 7 | 7 | 8 | 8 | 6 | 3 | 2 | 3 | 4 | 3 | 3 | 5 | 6 | 7 | 7 | 6 | 4 | 8 | 7 |
| Maximum velocities (exceeding 20 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time 6:20, Character Cloudy. Moonrise: 12:55 P, Cloudy.

Sunset: Time 5:28, Character Cloudy. Moonset: 2:44 A.

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

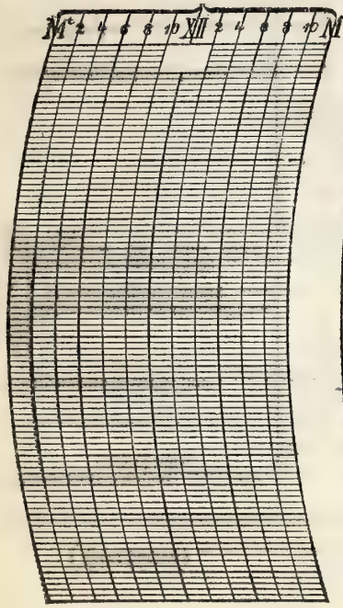
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 41 | 36 | 38 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .03 ins.; to 7 p. m., .10 ins.
Total precipitation, midnight to midnight, .13 inches.
Character of day, Cloudy Moon phase, _____
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 11.1
Per cent of possible sunshine, 0
Prevailing wind direction, NE to S Total wind 151
Average hourly velocity, 6.3 Extreme velocity, 12
Maximum velocity, 12 Direction, SW
Time began, 1:30 p.m.
Reduced barometer, 29.96 7 a. m. 29.92 7, p. m.
River gage, 3.3 Feet
Relative humidity, 100 7 a. m. 96 7 p. m.

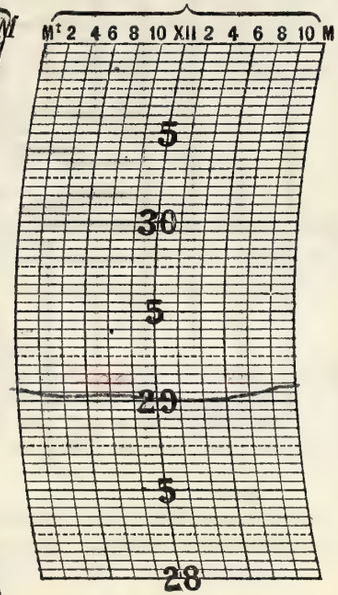
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 40.0 Wet temperature, 39.6
Dew-point, 39 R. humidity, 97 V. pressure, .237
Clouds: Amount, 10; Kind, Nb; Direction, W
Velocity of clouds (miles per hour) _____

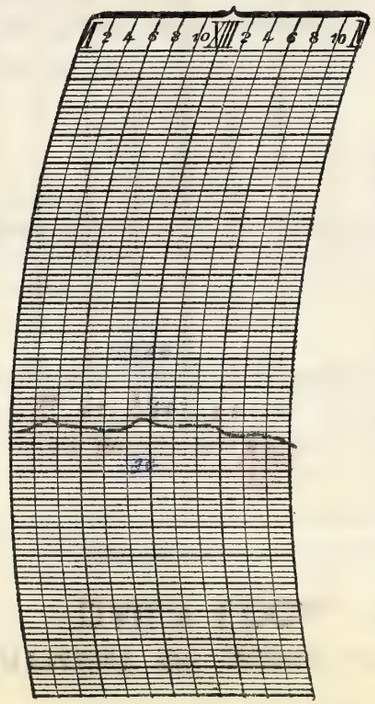
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by _____

Verified by C. McDonough

8—486

## NOTES.

Light fog began 2 A.M.
Light fog ended — 5:30 p.m.
A cloudy day with light rain and mild temperatures
Light fog began — 11:15 p.m.
Light fog ended — Continued

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wingate, N.M., (Day of week) Thursday, (Date) Feb 2, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 35 | 34 | 33 | 32 | 32 | 31 | 31 | 30 | 30 | 30 | 31 | 32 | 33 | 33 | 33 | 32 | 33 | 34 | 32 | 32 | 30 | | | |
| State of weather: Nature of precipitation and time of beginning and ending | | NE DNB | | | | | | | | | | | | | | | | | | | | SW B 9:25 | | SW E DNP |
| State of weather: Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| State of weather: Cloudiness and other conditions | Cloudy | | | | | | | Cloudy | | | | | | | | Cloudy | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | N | N | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | E | NE | NE | NE | NE | NE | NE | NE | NE | NE | NW | W |
| Wind movement | 9 | 9 | 10 | 9 | 10 | 12 | 10 | 10 | 10 | 8 | 9 | 9 | 6 | 6 | 4 | 3 | 3 | 4 | 3 | 2 | 3 | 2 | 1 | 1 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time 6:19, Character Cloudy. Moonrise: 1:53 P. Cloudy.

Sunset: Time 5:29, Character Cloudy. Moonset: 3:35 P.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

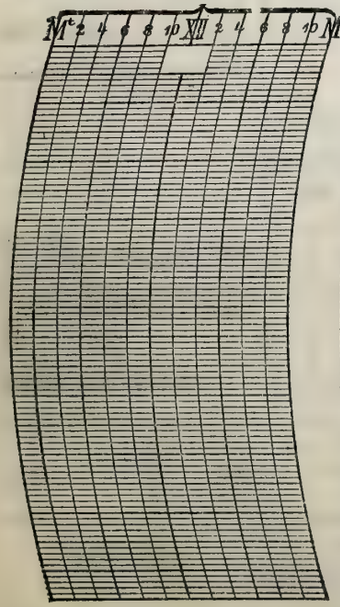
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 35 | 30 | 32 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 11.2
Per cent of possible sunshine, 0
Prevailing wind direction, NE Total wind 198
Average hourly velocity, 6.6 Extreme velocity, 14
Maximum velocity, 13 Direction, NE
Time began, 5:00 a
Reduced barometer, 30.04 7 a. m. 30.05 7 p. m.
River gage, 5.6 Fall
Relative humidity, 69 7 a. m. 55 7 p. m.

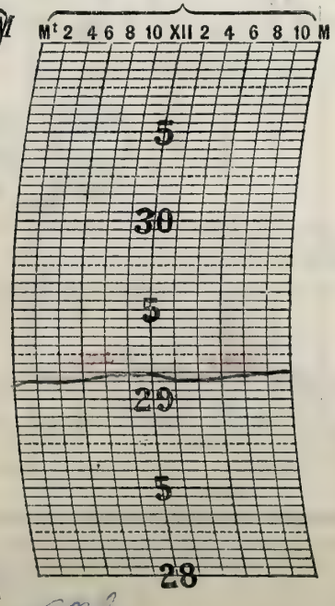
### OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 33.1 Wet temperature, 31.8
Dew-point, 30 R. humidity, 87 V. pressure, .16
Clouds: Amount, 10; Kind, St; Direction, NE
Velocity of clouds (miles per hour)

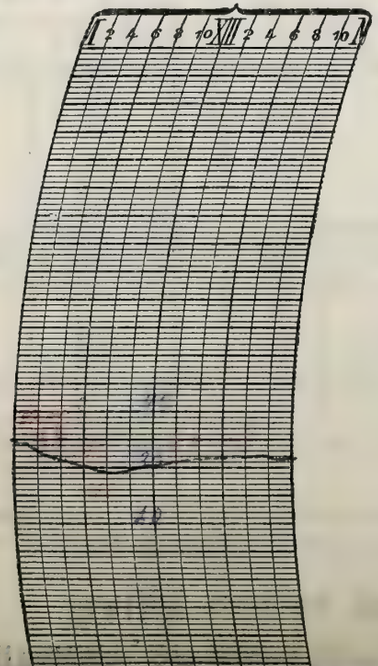
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by CCS.

## NOTES.

Slight fog beginning - Continued
Slight fog Ended - 8:00 A.M.
Cloudy day with moderate temperature

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) Port Huron, Mich., (Day of week) Wednesday, (Date) FEB 28 1906, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 30 | 30 | 30 | 29 | 29 | 29 | 30 | 31 | 32 | 36 | 36 | 37 | 39 | 40 | 40 | 38 | 36 | 35 | 34 | 34 | 34 | 34 | 34 | 33 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | Sn B 4:00 | | | SnE 2:02 HB 2:02 | | NE Sn B 9:16 | | SnE DNP |
| Amounts of precipitation | | | | | | | | | | | | | | | | | — | — | — | — | — | — | — | — |
| Cloudiness and other conditions | | | | | | | + | Cloudy | | | | | | | | | Cloudy | | | | | | | |
| Sunrise: Time, Character, | 6:17 Cloudy | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: | 2:53a Cloudy | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, Character, | | | | | | | | | | | | | | | | | | | | | 5:31 Cloudy | | | |
| Moonset: | | | | | | | | | | | | | | | | | | | | | 4:23a Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0.3 | 0.5 | 0.2 | 0.3 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | W | WNW | W | W | W | W | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | W | W | W | W | W |
| Wind movement | 6 | 6 | 5 | 8 | 6 | 8 | 9 | 13 | 11 | 12 | 12 | 9 | 12 | 11 | 12 | 14 | 13 | 11 | 12 | 10 | 10 | 12 | 12 | 11 |
| Maximum velocities (exceeding 50 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

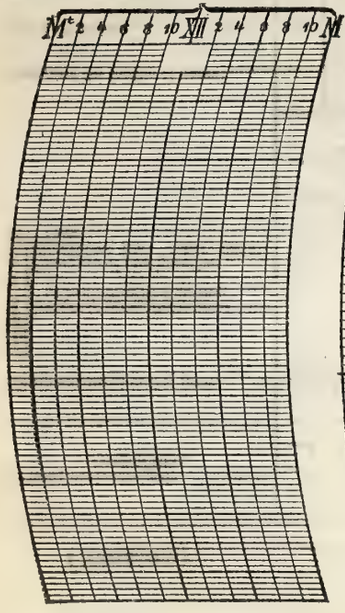
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 40 | 30 | 35 | |

Total depth of snow for 24 hours ending 7 p. m., ____ inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0.1 ins.
Total precipitation, midnight to midnight, 0.1 inches.
Character of day, Cloudy Moon phase, ____
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.5 Possible sunshine, hours, 11.2
Per cent of possible sunshine, 13
Prevailing wind direction, SW Total wind 240
Average hourly velocity, 10.0 Extreme velocity, 16
Maximum velocity, 19 Direction, SW
Time began, 4:05 p.m.
Reduced barometer, 29.83 7 a. m. 29.89 7 p. m.
River gage, St Clair
Relative humidity, 7 a. m. 7 p. m.

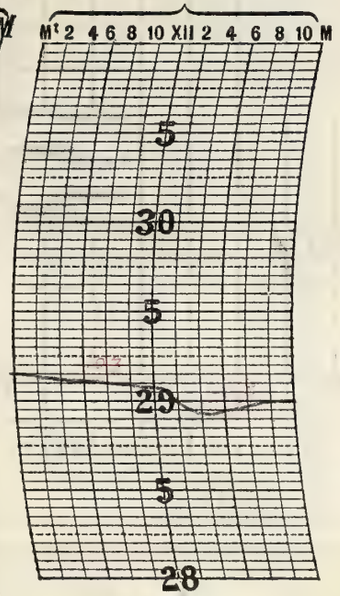
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 35.1 Wet temperature, 32.1
Dew-point, 28 R. humidity, 73 V. pressure, 0.150
Clouds: Amount, 10; Kind, St; Direction, SW
Velocity of clouds (miles per hour)

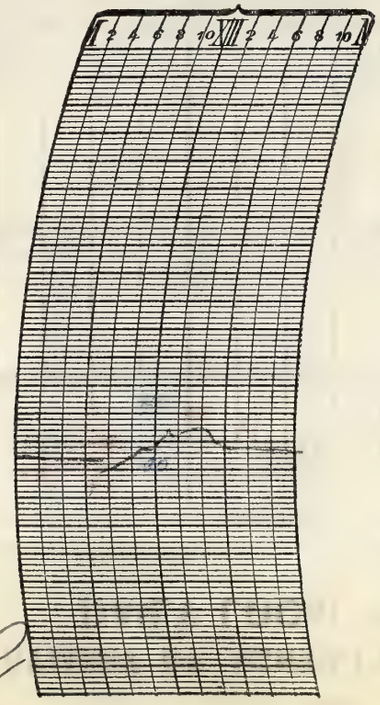
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by ____
Verified by C. McDermott

8—486

## NOTES.

Snow T 7:00 a.m. Force
a cloudy day with occasional
[illegible]

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Worth, Tex., (Day of week) Thursday, (Date) [illegible] 1923, 192

Time (local standard) 90 mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 33 | 33 | 32 | 32 | 32 | 32 | 32 | 33 | 33 | 34 | 35 | 36 | 36 | 36 | 38 | 40 | 40 | 39 | 39 | 34 | 39 | 40 | 34 | 39 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Cloudy | | | | | | | | | | | | | | | | | |
| | Sunrise: Time, 6.45 Character, Cloudy | | | | | | | | | | | | | | | | | | | | Sunset: Time, 5.22 Character, Clear | | | |
| | Moonrise: [illegible] Clear | | | | | | | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | [illegible] | [illegible] | [illegible] | 0 | 0 | 0.4 | [illegible] | 0.2 | .63 | | | | | | |
| Wind direction | NW | NW | W | W | W | W | W | W | W | W | W | W | SW | SW | SW | S | SW | SW | SW | SW | SW | SW | SW | SW |
| Wind movement | 12 | 12 | 12 | 11 | 11 | 12 | 12 | 12 | 11 | 11 | 10 | 10 | 14 | 10 | 10 | 8 | 15 | 11 | 11 | 13 | 10 | 12 | 12 | 11 |
| Maximum velocities (exceeding [illegible] miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

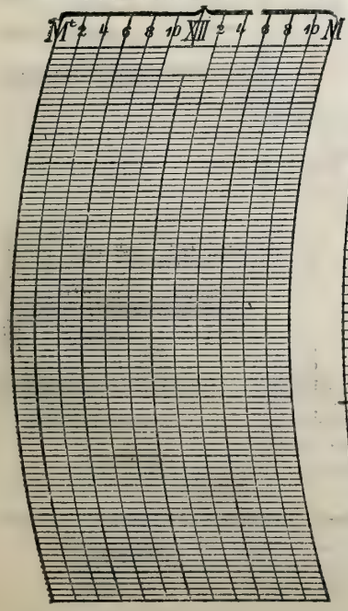
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 41 | 32 | 36 | |

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .01 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 5.1 Possible sunshine, hours, 11.3
Per cent of possible sunshine, 45
Prevailing wind direction, SW. Total wind 316
Average hourly velocity, 13.2 Extreme velocity, 24
Maximum velocity, 22 Direction, SW.
Time began, 2:52 a.m.
Reduced barometer, 29.98 7 a. m. 29.84 7 p. m.
River gage, 5.4 Feet
Relative humidity, 74 7 a. m. 28 7 p. m.

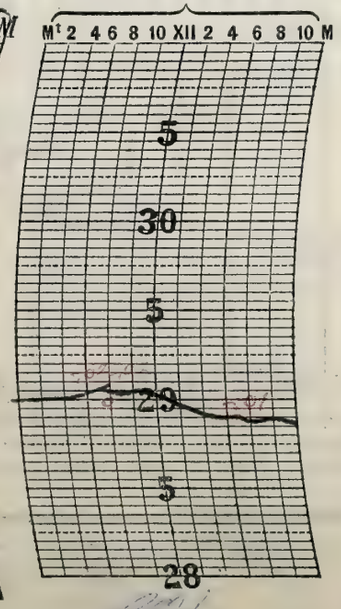
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 36.0 Wet temperature, 32.0
Dew-point, 26 R. humidity, 65 V. pressure, .186
Clouds: Amount, 10; Kind, Strat.; Direction, SW.
Velocity of clouds (miles per hour)

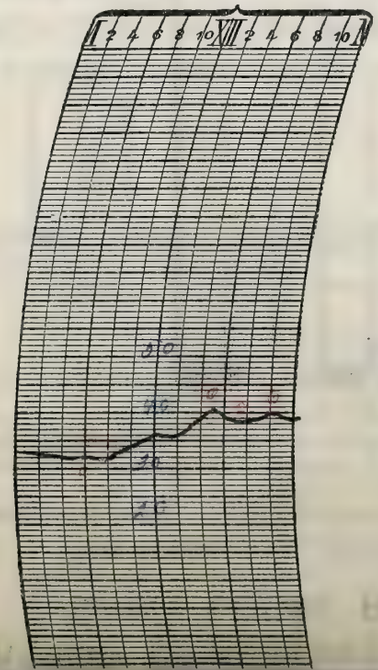
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by C. Mc[illegible]

## NOTES.

Overcast A 7 a.m. — Trace
in early cloudy day with mild
temperatures. The night was
illuminated with bright moonlight.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) _____, (Day of week) Friday, (Date) _____, 192

Time (local standard). 90° mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 37 | 38 | 38 | 38 | 38 | 39 | 43 | 41 | 46 | 50 | 54 | 57 | 60 | 61 | 62 | 63 | 62 | 59 | 58 | 57 | 56 | 55 | 54 | 53 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation Cloudiness and other conditions | | | | | | | ← | | Clear | | | → | Pt. Cldy | | Clear | | | ✕ | Pt. Cldy | | Clear | | | |
| Sunshine (in tenths of hours) | | | | | | | .77 0 | 0.4 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.2 | .55 | | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | |
| Wind movement | 13 | 15 | 14 | 14 | 15 | 16 | | | 16 | 18 | 19 | 21 | | | | | | | | | | | | |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:14 Character, Clear
Moonrise: 5:13a Clear
Sunset: Time, 5:33 Character, Clear
Moonset: 5:48a Clear

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

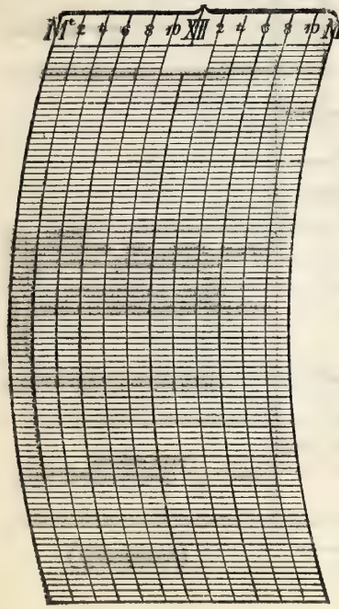
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 63 | 38 | 50 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, Full 9:24 p.m.
Average daily cloudiness (0–10), 1
Actual sunshine, hours, 11.3 Possible sunshine, hours, 11.3
Per cent of possible sunshine, 100
Prevailing wind direction, SW Total wind 411
Average hourly velocity, 17 Extreme velocity, 25
Maximum velocity, 29 Direction, SW
Time began, 12:19 p.m.
Reduced barometer, 29.77 7 a. m. 29.60 7, p. m.
River gage, 5.6 Feet.
Relative humidity, 72 7 a. m. 54 7 p. m.

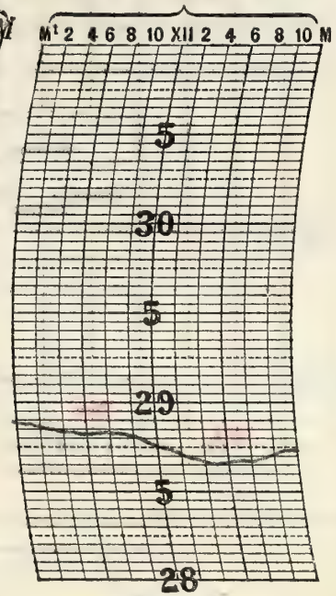
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 59.0 Wet temperature, 48.6
Dew-point, 40 R. humidity, 54 V. pressure, .247
Clouds: Amount, 4; Kind, A St.; Direction, NW
Velocity of clouds (miles per hour)

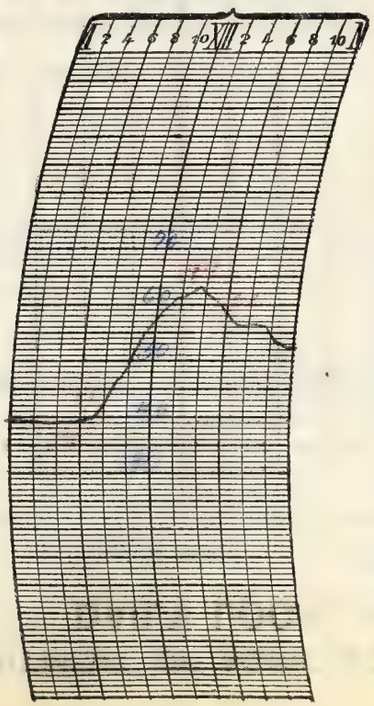
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by _____
Verified by C. McDonough

8—486

## NOTES.

A clear day with mild temperature. The highest temperature today, 63 degrees, was the highest also recorded on any March 2nd since the Library of the Weather

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) MAR 1 1923, 192

Time (local standard), 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 51 | 51 | 51 | 44 | 44 | 40 | 45 | 46 | 48 | 52 | 50 | 52 | 50 | 52 | 56 | 56 | 55 | 57 | 63 | 48 | 48 | 44 | 40 | 41 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | RD 1140 RE 1145 | RW 514 | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | * Clear | | | | | | * Clear | | | | Cloudy | | | | | | | |
| Sunrise: Time, 6:12 Character, Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: 6:13 Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, 5:22 Character, Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Moonset: 6:28 Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 2 | 2 | | | | | 0.3 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | SW | SW | SW | SW | W | SW | SW | W | W | N | NE | NE | SE | SE | SE | SE | SE | SE | E | SE | SE | SE | SE | S |
| Wind movement | 18 | 16 | 8 | 8 | 3 | 6 | 6 | 4 | 3 | 3 | 2 | 2 | 5 | 4 | 5 | 4 | 3 | 3 | 2 | 1 | 2 | 2 | 2 | 0 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

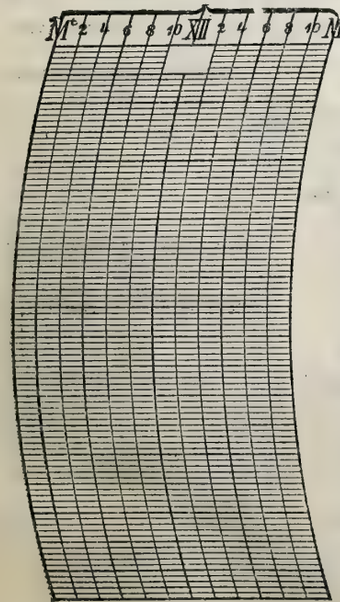
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 57 | 43 | | |

Total depth of snow for 24 hours ending 7 p. m., 2 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Partly Cloudy Moon phase,
Average daily cloudiness (0–10), 7
Actual sunshine, hours, 4.5 Possible sunshine, hours, 11.4
Per cent of possible sunshine, 39
Prevailing wind direction, SE Total wind 167
Average hourly velocity, 7.6 Extreme velocity, 23
Maximum velocity, 23 Direction, SW
Time began, 12:10 P.M.
Reduced barometer, 9 a. m. 29.60 p. m.
River gage,
Relative humidity, 8 a. m. p. m.

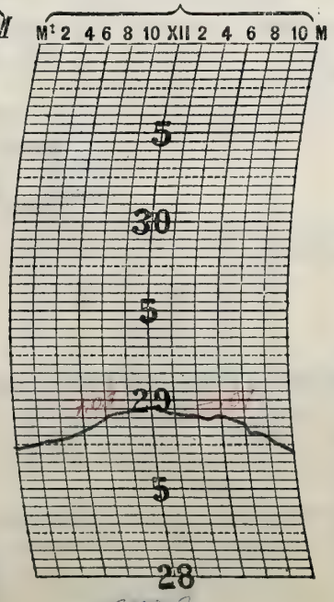
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 56.0 Wet temperature, 52.9
Dew-point, 49 R. humidity, 85 V. pressure, .247
Clouds: Amount, 8; Kind, St; Direction, W
Velocity of clouds (miles per hour)

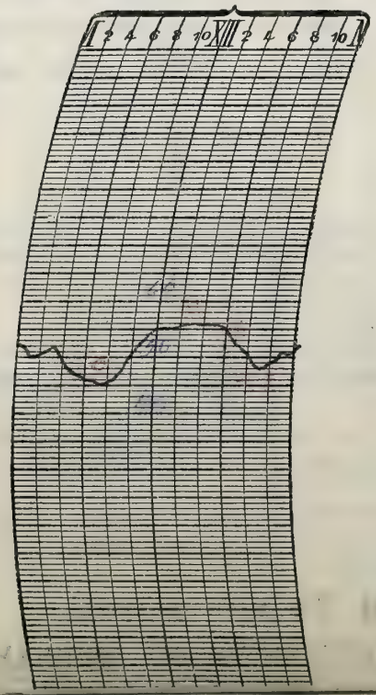
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by
Verified by P. McDonough

NOTES.

Estimated

A frontal Storm Area in the middle Continental States

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind, (Day of week) Sunday Monday, (Date) MAR - 1 1909, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 54 | 55 | 55 | 54 | 56 | 59 | 42 | 41 | 38 | 35 | 33 | 32 | 34 | 34 | 33 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 |
| State of weather. Nature of precipitation and time of beginning and ending | | RE | | | | | | | | R 15<br>9 30<br>R<br>9 40 | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Clear | | | | | Cloudy | | | | Cloudy | | | | | | | | |
| Sunrise: Time, 6.10 Character, Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: 9.44 p. Character, Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, 5.45 Character, Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Moonset: 11.06 a. Character, Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | S | SW | SW | SW | SW | SW | SW | W | W | W | W | W | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW |
| Wind movement | 11 | 11 | 10 | 12 | 19 | 28 | 21 | 20 | 24 | 24 | 20 | 21 | 28 | 23 | 24 | 21 | 20 | 14 | 14 | 10 | 9 | 9 | 9 | 6 |
| Maximum velocities (exceeding 10 miles) direction and time | | | | | | 32<br>SW | 44<br>SW | 45<br>SW | 40<br>SW | 45<br>W | 31<br>W | 31<br>W | 28<br>NW | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

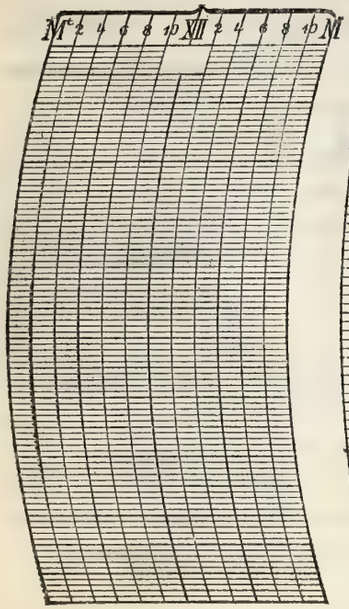
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 54 | 32 | 45 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .20 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .20 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0 Possible sunshine, hours, 11.6
Per cent of possible sunshine, 0
Prevailing wind direction, NW Total wind 498
Average hourly velocity, 20.8 Extreme velocity, 42
Maximum velocity, 45 Direction, SW
Time began, 7.35 a. m.
Reduced barometer, 27.53 7 a. m. 30.16 7, p. m.
River gage, 9.2 Feet
Relative humidity, 92 7 a. m. 79 7 p. m.

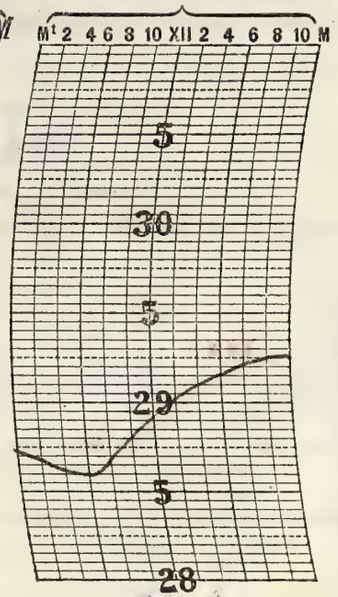
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 34.8 Wet temperature, 32.4
Dew-point, 27 R. humidity, 78 V. pressure,
Clouds: Amount, 10; Kind, Sc; Direction, NW
Velocity of clouds (miles per hour)

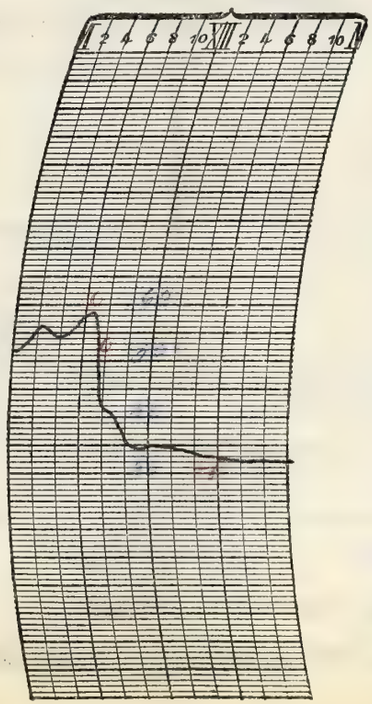
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




NOTES.

pEstimated

A sunny day with tendency to moderate winds and decreasing temperature

Prepared by

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Assiniboine, Mont., (Day of week) ~~Sunday~~ Monday, (Date) MAR 5 1923, 192

Time (local standard). 75th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 32 | 32 | 31 | 32 | 31 | 30 | 30 | 30 | 31 | 32 | 35 | 36 | 39 | 40 | 41 | 40 | 39 | 37 | 36 | 33 | 35 | 33 | | |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Cloudy | | | | | | Pt. Cloudy | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 2 | 10 | 10 | 10 | 10 | 8 | 10 | 10 | 10 | 3 | 0 | | | | | | |
| Wind direction | NW | NW | W | N | N | NW | N | N | N | | | | NE | SW | SW | SW | S | SE | SE | SE | E | E | | |
| Wind movement | 4 | 3 | 2 | 2 | 5 | 4 | 4 | 4 | 5 | | | 4 | 2 | 3 | 2 | 2 | 5 | 4 | 4 | 4 | 2 | 3 | 3 | 4 |
| Maximum velocities (exceeding 25 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:09 Character, Cloudy
Moonrise: 8:12 Cloudy
Sunset: Time, 5:32 Character, Cloudy
Moonset: 7:44 Cloudy

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

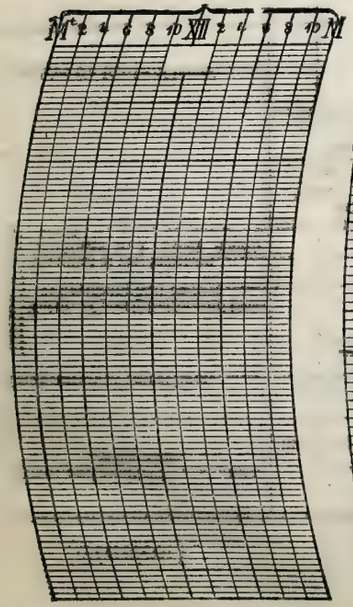
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 41 | 30 | 35 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 2 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 6.2 Possible sunshine, hours, 11.0
Per cent of possible sunshine, 59 %
Prevailing wind direction, Total wind
Average hourly velocity, 6.4 Extreme velocity, 11
Maximum velocity, Direction, E
Time began, 11:45 p.m.
Reduced barometer, 23.2" a. m. 23.17, p. m.
River gage, 10.3 Feet.
Relative humidity, 80 a. m. 42 p. m.

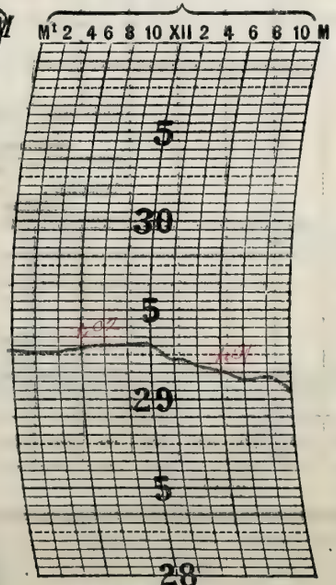
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 34.0 Wet temperature, 28.9
Dew-point, 20 R. humidity, 62 V. pressure, .203
Clouds: Amount, 6; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

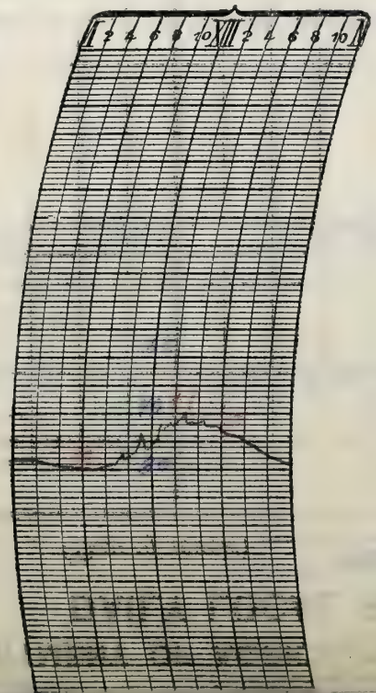
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



NOTES.

Prepared by
Verified by P. McDonough

8—456

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) _____, (Day of week) ~~Sunday~~ Tuesday, (Date) MAR - 6 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 30 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 31 | 30 | 30 | 30 | 30 | 29 | 29 | 29 | 28 | 28 | 28 | 28 | 29 | 30 |
| State of weather. Nature of precipitation and time of beginning and ending | | S 3 | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Cloudiness and other conditions | | | | | | | c | Cloudy | | | | | | | | | Cloudy | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | E | E | E | E | E | E | E | E | E | E | NE | NE | NE | NE | NE | NE | N | N | N | N | NW | NW | NW | NW |
| Wind movement | 10 | 9 | 8 | 8 | 8 | 9 | 10 | 12 | 11 | 12 | 12 | 13 | 16 | 12 | 12 | 8 | 10 | 7 | 6 | 5 | 4 | 5 | 4 | 3 |
| Maximum velocities (exceeding 22 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:07 Character, Cloudy
Moonrise: 12:55a Cloudy
Sunset: Time, 5:37 Character, Cloudy
Moonset: 8:23a Cloudy

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

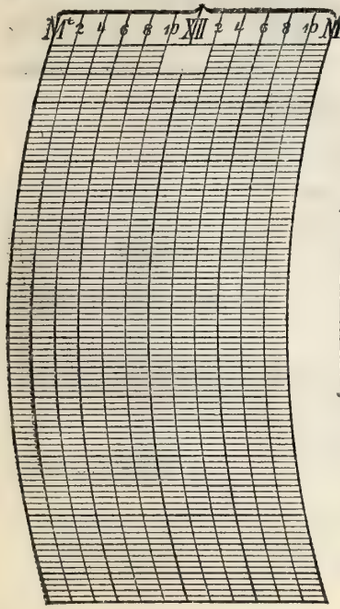
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 31 | 28 | 30 | |

Total depth of snow for 24 hours ending 7 p. m., 5.2 inches.
Snow, sleet, and hail on ground 7 p. m., 5.2 inches.
Total snowfall, midnight to midnight, 5.7 inches.
Precipitation to 7 a. m., .32 ins.; to 7 p. m., .15 ins.
Total precipitation, midnight to midnight, .52 inches.
Character of day, Cloudy Moon phase, _____
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 11.5
Per cent of possible sunshine, 0
Prevailing wind direction, E Total wind 218
Average hourly velocity, 9.1 Extreme velocity, 16
Maximum velocity, 16 Direction, NE
Time began, 12:50 P.M.
Reduced barometer, 29.25 7 a. m. 29.45 7 p. m.
River gage, 9.3 Fall
Relative humidity, 95 7 a. m. 95 7 p. m.

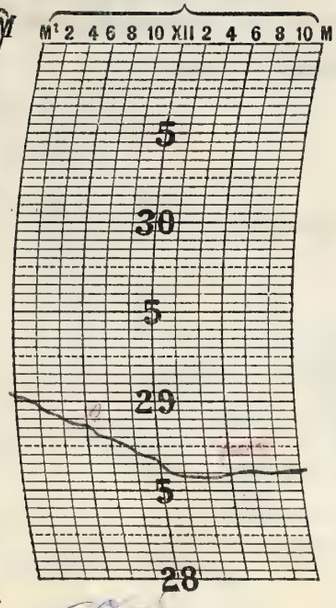
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 31.0 Wet temperature, 30.5
Dew-point, 30 R. humidity, 95 V. pressure, .16.4
Clouds: Amount, 10; Kind, Nb; Direction, NE
Velocity of clouds (miles per hour) _____

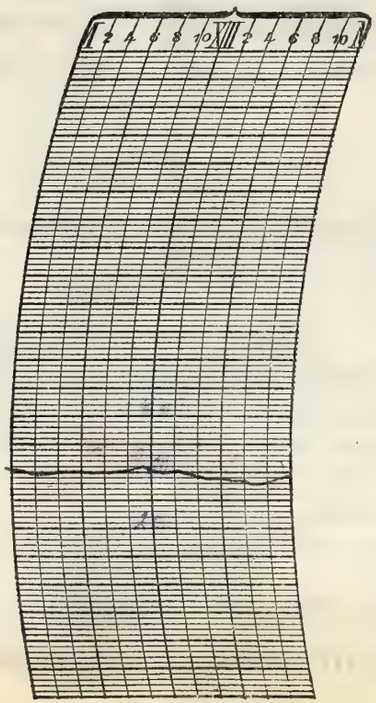
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by _____
Verified by C. McDonough

8—486

## NOTES.

Snow to 7 a.m. 3.3 inches
Snow to 7 p.m. 1.9 inches
A sunny day with more and more to the west.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 21 | 20 | 20 | 20 | 22 | 24 | 25 | 26 | 26 | 27 | 28 | 28 | 24 | 24 | 24 | 22 | 22 | 22 | 25 | 24 | 23 | 22 | 22 | 23 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | SnG 5:30 | | | SnG 8:00 SnE | | | | | SnB 11:03 | SnE 2:59 | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | Cloudy | x | Pt. Cldy | x | Clear | | | x | Pt. Cldy | Cldy | x | Pt. Cldy | Clear | | | x | Pt. Cldy | Cldy | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0.2 | 0.3 | 1.0 | | | 1.0 | 0.7 | 0.4 | 0.4 | 0.2 | 0.65 | | | | | | |
| Wind direction | W | NW | NW | NW | NW | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | SW | W | NW |
| Wind movement | 8 | 13 | 14 | 12 | 10 | 13 | 16 | 14 | 16 | 15 | 16 | 19 | 18 | 19 | 17 | 17 | 14 | 12 | 9 | 9 | 7 | 6 | 6 | 5 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:04a. Character, Cloudy
Moonrise: 11:17p

Sunset: Time, 5:32 Character, Clear
Moonset: 2:04a Cloudy

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

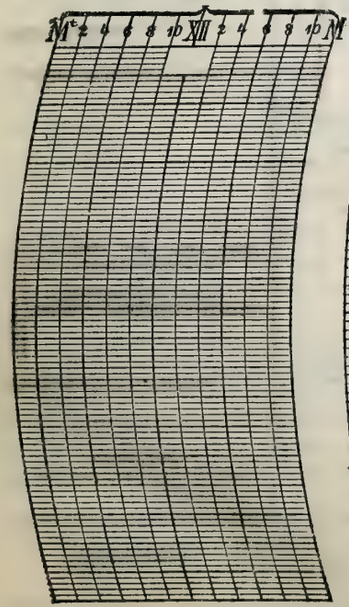
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 31 | 22 | 26½ | |

Total depth of snow for 24 hours ending 7 p. m., 0.6 inches.
Snow, sleet, and hail on ground ____ p. m., ____ inches.
Total snowfall, midnight to midnight, Trace inches.
Precipitation to 7 a. m., 0.6 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, ____ inches.
Character of day, Pt. Cloudy Moon phase, ____
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 7.4 Possible sunshine, hours, 11.6
Per cent of possible sunshine, 64
Prevailing wind direction, NW Total wind 319
Average hourly velocity, 13.3 Extreme velocity, 26
Maximum velocity, 23 Direction, NW
Time began, 11:57 a.m.
Reduced barometer, 30.48 a. m. 30.46 p. m.
River gage, 85 Feet
Relative humidity, ____ a. m. 76 p. m.

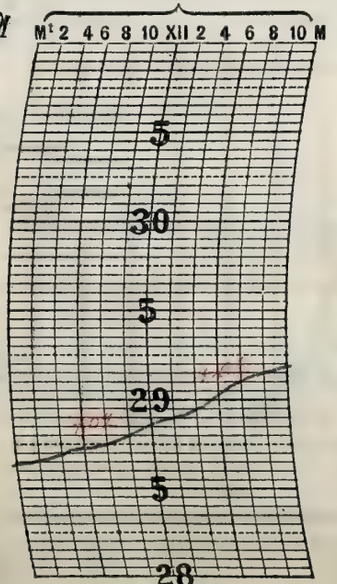
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 28.0 Wet temperature, 26.0
Dew-point, 22 R. humidity, 77 V. pressure, 11.3
Clouds: Amount, 3; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour) ____

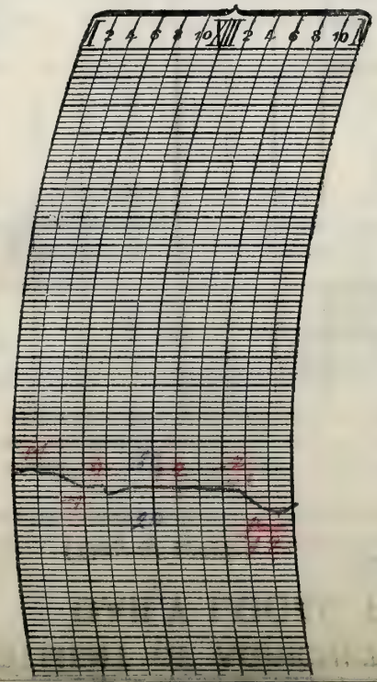
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by _____
Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

Estimated

## NOTES.

Snow 7 p.m. 0.6
A thirty day day with moderately cold temperatures and occasional light snow flurries

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) Fort Omaha Neb, (Day of week) Thursday, (Date) MAR - 8 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 23 | 22 | 21 | 19 | 19 | 19 | [illegible] | [illegible] | 26 | 29 | 31 | 33 | 32 | 33 | 34 | 35 | 33 | 32 | 31 | 29 | 29 | 28 | 27 | 27 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← | | Clear | | | | | | Clear | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | .93 | 1.0 | 0.1 | | | | | | | | 0.5 | 0.7 | | | | | | |
| | | | | | | | 0 | 0 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | [illegible] | [illegible] | | | | | | |
| Wind direction | W | WW | SW | W | WW | WW | W | W | SW | SW | SW | SW | SW | W | W | W | SW | SW | SW | SE | SE | SE | SE | SE |
| Wind movement | 5 | 0 | 0 | 6 | 5 | 4 | 3 | 4 | 0 | 6 | 6 | 8 | 6 | 8 | 4 | 6 | 5 | 5 | 3 | 3 | 3 | 0 | | |
| Maximum velocities (exceeding [illegible] miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:04 Character, Clear

Moonrise: —

Sunset: Time, 5:40 Character, Clear

Moonset: 9:42 p Clear

| Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

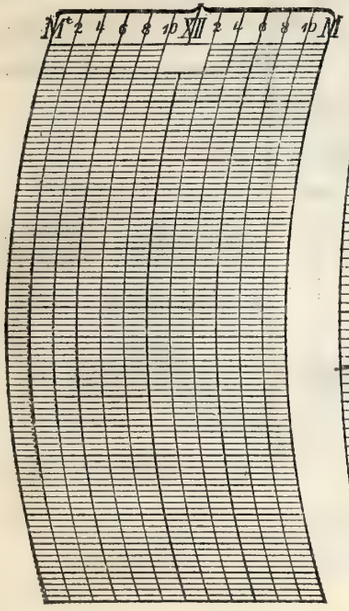
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 35 | 15 | 25 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 4.5 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0–10), 1
Actual sunshine, hours, 11.6 Possible sunshine, hours, 11.6
Per cent of possible sunshine, 100
Prevailing wind direction, W Total wind 124
Average hourly velocity, 5.1 Extreme velocity, 10
Maximum velocity, 10 Direction, SW
Time began, 9:42 p. m.
Reduced barometer, 30.25 7 a. m. 30.31 7, p. m.
River gage, 2.5 Falls
Relative humidity, 77 7 a. m. 52 7 p. m.

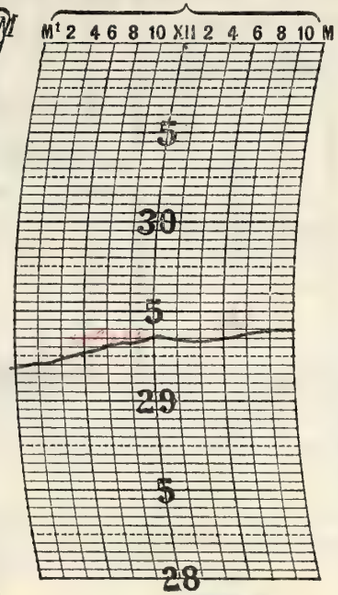
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 32.0 Wet temperature, 29.2
Dew-point, 18 R. humidity, 62 V. pressure, .093
Clouds: Amount, 2; Kind, Cu; Direction, NW.
Velocity of clouds (miles per hour)

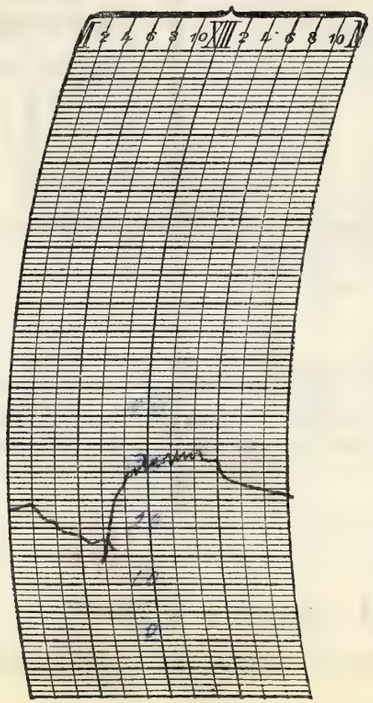
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by

Verified by P. McDonough

8—486

NOTES.

Clear and moderately cold

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(*Station*) Fort Wayne Ind., (*Day of week*) Friday, (*Date*) [illegible] 1923, 192

Time (local standard) 90° mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 26 | 27 | 26 | 24 | 26 | 26 | [illegible] | 31 | 34 | 37 | 39 | 42 | 43 | 43 | 43 | 43 | 44 | 46 | 48 | 46 | 44 | 44 | 43 | 43 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Clear | Clear | Clear | Clear | Clear | Clear | Clear | Clear | Clear | Clear | Clear | Clear | Clear | Clear | Clear | Clear | Clear | Clear |
| Sunrise: Time, Character, 6:02 Clear. Moonrise: 12:12 a | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 6:44 Clear. Moonset: 10:50 p Clear | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | S | SE | SE | SE | S | S | SW | SW | SW | S | W | W |
| Wind movement | 1 | 2 | 1 | 2 | 4 | 3 | 4 | | 12 | 12 | 12 | 14 | 14 | 12 | 8 | 8 | 8 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| Maximum velocities (exceeding ____ miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | 33 SW 12 |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

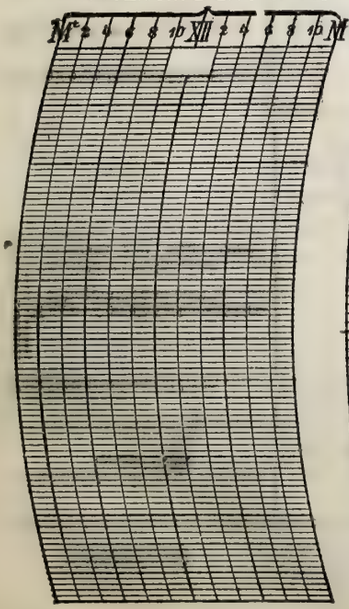
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 48 | 24 | 36 | |

Total depth of snow for 24 hours ending ? p. m., 0 inches.
Snow, sleet, and hail on ground ? p. m., 15 inches.
Total snowfall, midnight to midnight, [illegible] inches.
Precipitation to ? a. m., ? ins.; to ? p. m., T ins.
Total precipitation, midnight to midnight, .24 inches.
Character of day, Clear Moon phase, 1st Qr.
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 6.4 Possible sunshine, hours, 11.6
Per cent of possible sunshine, 55
Prevailing wind direction, SE Total wind 315
Average hourly velocity, 12.1 Extreme velocity, 33
Maximum velocity, 33 Direction, SW
Time began, 11:33 p
Reduced barometer, 29.[illegible] ? a. m. 29.[illegible], p. m.
River gage, 6.2 Fall
Relative humidity, 77 ? a. m. 68 ? p. m.

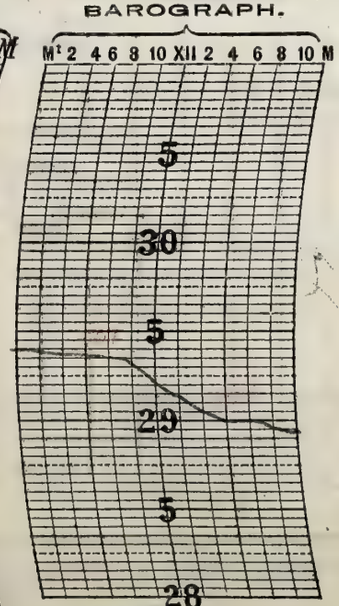
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 41.1 Wet temperature, 35.1
Dew-point, 26 R. humidity, 64 V. pressure, .137
Clouds: Amount, 8; Kind, Ast; Direction, NW
Velocity of clouds (miles per hour)

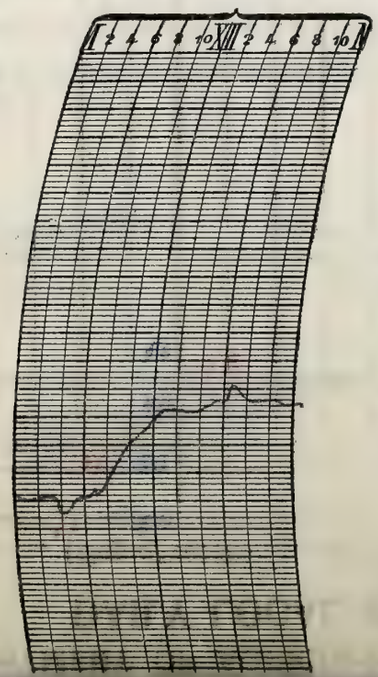
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by P. McDonough

## NOTES.

P.E. Estimated

Cloudy day with snow starting
Light rain at
the night p.m.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) MAR 10 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 34 | 34 | 34 | 33 | 32 | 32 | 41 | 32 | 33 | 34 | 37 | 39 | 42 | 43 | 45 | 44 | 43 | 41 | 35 | 32 | 36 | 35 | 34 | 34 |
| State of weather. Nature of precipitation and time of beginning and ending | | RE DNR | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | 10 Cldy | 10 Cldy | 10 Cldy | 10 Cldy | 10 Cldy | 10 Cldy | 10 Cldy | | Clear | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.5 | | | | | | |
| Wind direction | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | W | W | W | W | W | W | W | SW | SW | SW | SW | SW | W | W |
| Wind movement | 2 | 3 | | | | | | | | | | | | | | | | | | | | | | |
| Maximum velocities (exceeding ____ miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:01 Character, Cloudy

Moonrise: ---

Sunset: Time, 5:42 Character, Clear

Moonset: 11:29a Clear

| Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

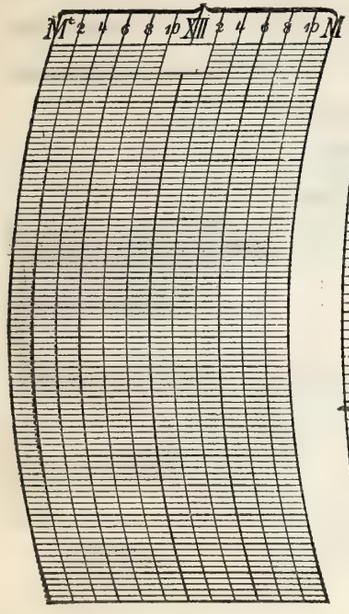
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 45 | 32 | 38 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground ---- p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 2 a. m., .26 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .26 inches.
Character of day, Cloudy Moon phase, ----
Average daily cloudiness (0–10), 7
Actual sunshine, hours, 2.1 Possible sunshine, hours, 10.2
Per cent of possible sunshine, 28
Prevailing wind direction, NW Total wind 180
Average hourly velocity, 11.7 Extreme velocity, 22
Maximum velocity, 28 Direction, SW
Time began, 12:28 a.m.
Reduced barometer, 29.00 a. m. 29.09 p. m.
River gage, 9.0 Fall
Relative humidity, 75 a. m. 60 p. m.

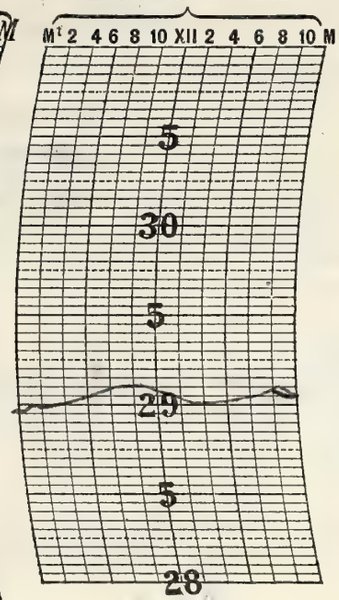
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 38.0 Wet temperature, 34
Dew-point, 28 R. humidity, 67 V. pressure, 13.6
Clouds: Amount, 4; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

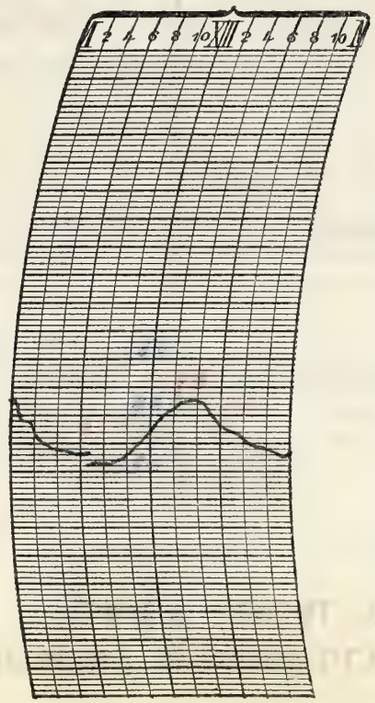
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by ----

Verified by C. M. Donnegh

8—486

NOTES.

Estimated

Mostly cloudy days with moderate temperatures.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) _____, (Date) MAR 11 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 34 | 34 | 33 | 32 | 31 | 32 | 33 | 36 | 39 | 41 | 41 | 42 | 43 | 43 | 43 | 43 | 43 | 43 | 41 | 39 | 37 | 34 | 32 | 32 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | AB 6:35 | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← | | Cloudy | | | | | | | Cloudy | | | | → | | | | |
| Sunrise: Time, 6:59 Character, Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: 11:58a | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, 5:43 Character, Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Moonset: 12:29p Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0.8 | | | | | | | | | | | | | | | |
| Wind direction | SW | S | SW | SW | | S | S | S | SE | | SE | | SE | SE | SE | E | E | E | E | E | E | E | E | E |
| Wind movement | | | | | | | | | | | | | | | | | | | | | | | | |
| Maximum velocities (exceeding ___ miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

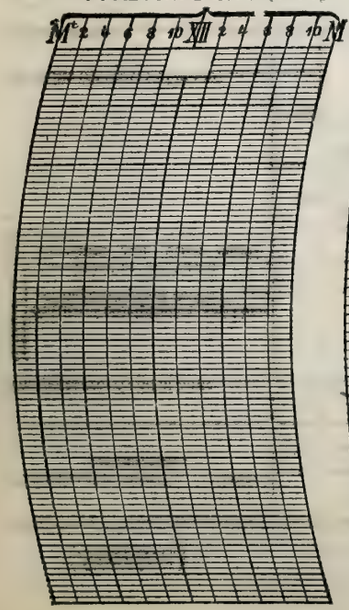
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 43 | 31 | 37 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .1 ins.
Total precipitation, midnight to midnight, .10 inches.
Character of day, Cloudy Moon phase, _____
Average daily cloudiness (0–10), 9
Actual sunshine, hours, 1.3 Possible sunshine, hours, 11.2
Per cent of possible sunshine, 28
Prevailing wind direction, E Total wind 244
Average hourly velocity, 10.2 Extreme velocity, 31
Maximum velocity, 27 Direction, _____
Time began, 6:00 p.m.
Reduced barometer, 29.94 a. m. 29.70 p. m.
River gage, 10.4 10.2
Relative humidity, 71 a. m. 69 p. m.

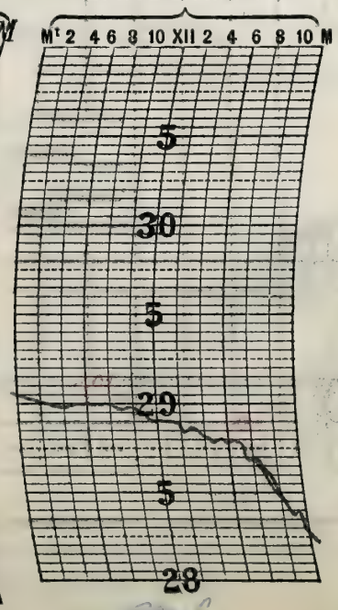
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 42.0 Wet temperature, 36.0
Dew-point, 28 R. humidity, 65 V. pressure, 29.7
Clouds; Amount, 10; Kind, Ast; Direction, N
Velocity of clouds (miles per hour)

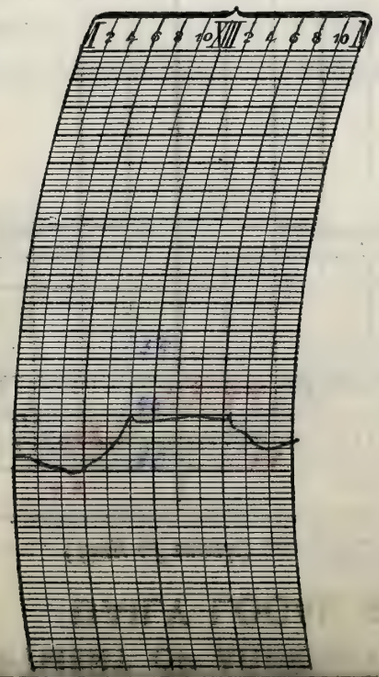
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by _____
Verified by T. M. Russell

NOTES.

* Estimated

A thunderstorm moving from the northwest to southeast within 5 miles of station.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) [illegible], (Date) MAR 12 1923, 192

| Time (local standard). [illegible] mer. normal time. | A. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 40 | 44 | 50 | 49 | 47 | 47 | | 44 | 42 | 41 | 40 | 39 | 38 | 37 | 36 | 36 | 34 | 34 | 34 | 34 | 33 | 32 | 31 | 30 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | Cloudy | | | | | | Cloudy | | | | | | | | | |
| Sunrise: Time, Character, 5 52 Cloudy. Moonrise: 3 10 a | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, [illegible] Cloudy. Moonset: [illegible] | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | | | | | | 0 | 0 | 0 | 2 | 0 | 0 | | | | | | |
| Wind direction | E | E | S E | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | S | | W | W | W | W | W | W | NW | NW | NW |
| Wind movement | 22 | 19 | 15 | 14 | 10 | | | | | | | | 24 | 22 | 21 | 19 | 24 | 20 | 16 | 16 | 14 | 14 | 12 | 10 |
| Maximum velocities (exceeding [illegible] miles) direction and time | | | 35 | | | | | | SW 8:48 | 32 7:38 | | | SW 1:11 | SW 1:10 | SW 2:30 | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

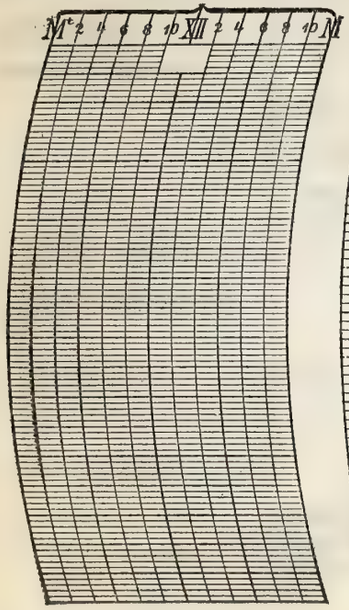
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 42 | 30 | 40 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .82 ins.; to 7 p. m., .08 ins.
Total precipitation, midnight to midnight, .53 inches.
Character of day, Cloudy. Moon phase, [illegible]
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 11.8
Per cent of possible sunshine, 0
Prevailing wind direction, [illegible] Total wind [illegible]
Average hourly velocity, 23.9 Extreme velocity, 62
Maximum velocity, 56 Direction, SW
Time began, 8:18 a. m.
Reduced barometer, 29.08 7 a. m. 29.02 7 p. m.
River gage, 14.4 Feet.
Relative humidity, [illegible] a. m. [illegible] p. m.

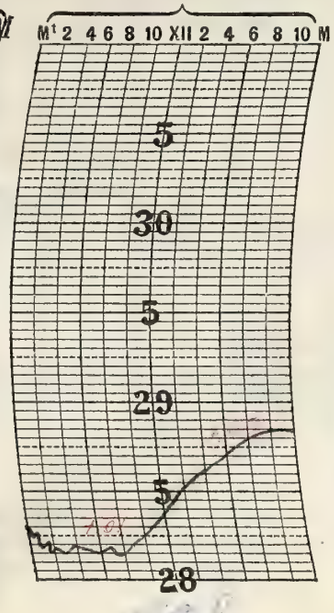
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 39.2 Wet temperature, 36.0
Dew-point, 31 R. humidity, 70 V. pressure, .122
Clouds: Amount, 10; Kind, St Cu; Direction, SW
Velocity of clouds (miles per hour)

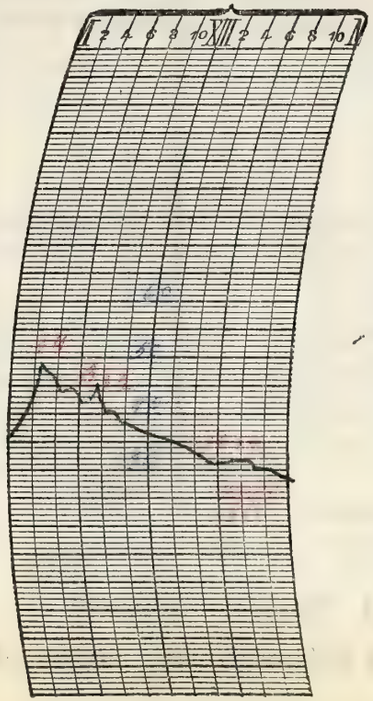
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by [illegible]

Verified by C. McDonough

8—486

## NOTES.

ESTIMATED

The main waterworks mains Sunset Instrument's damaged. No light down, until tonight. Fire as well as main boards. Two interurban cars were stuck on the bridge on Fox Pike west of town. Some trucks were detoured out of the building at the corner of Wayne and Barr Sts, by the high

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) MAR 13 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 19 | 20 | 24 | 24 | 30 | 30 | 30 | 30 | 30 | 33 | 33 | 33 | 33 | 32 | 31 | 31 | 30 | 30 | 28 | 28 | 27 | 25 | 25 | 25 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | SNW DNH | | | | | | | SNW hour | | SNW 12:24 | | | | | | | | | | | SNW DNH |
| Amounts of precipitation | | | | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Cloudiness and other conditions | | | | | | | | | Cloudy | | | | | | | Cloudy | | | | | | | | |
| Sunrise: Time, Character, | 6:16a Clouds | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, | 5:45 Clouds | | |
| Moonrise: | 3:12 | | | | | | | | | | | | | | | | | | | | Moonset: | Cloudy | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0.3 | 0.2 | 0 | | 0.2 | 0 | | 0 | | | | | | | | |
| Wind direction | | | | N | N | NE | S | S | SE | SE | SE | | N | N | N | N | N | NW | N | NW | NW | | | |
| Wind movement | 4 | 6 | 7 | 6 | 3 | 1 | 4 | 4 | 2 | 3 | 6 | 6 | 5 | 6 | 6 | 6 | 6 | 8 | 9 | 9 | 12 | 11 | 11 | |
| Maximum velocities (exceeding ____ miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 35 | 24 | 30 | |

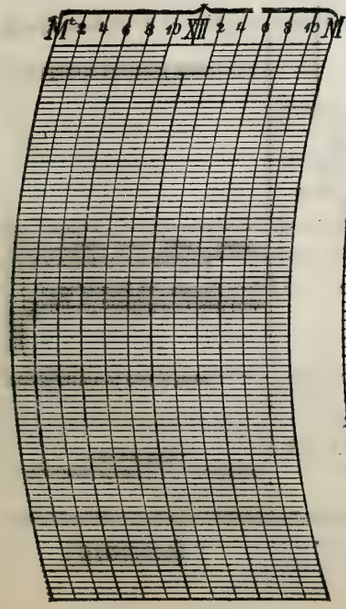
Total depth of snow for 24 hours ending 7 p. m., 4.4 inches.
Snow, sleet, and hail on ground 7 p. m., 0.9 inches.
Total snowfall, midnight to midnight, 0.4 inches.
Precipitation to 7 a. m., .02 ins.; to 7 p. m., .02 ins.
Total precipitation, midnight to midnight, .04 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 10
Actual sunshine, hours, 1.5 Possible sunshine, hours, 11.8
Per cent of possible sunshine, 13
Prevailing wind direction, NW Total wind 162
Average hourly velocity, 6 Extreme velocity,
Maximum velocity, 14 Direction, NW
Time began, 8:12 a. m.
Reduced barometer, 29.0 a. m. 29.03 p. m.
River gage,
Relative humidity, 80 a. m. 86 p. m.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | |

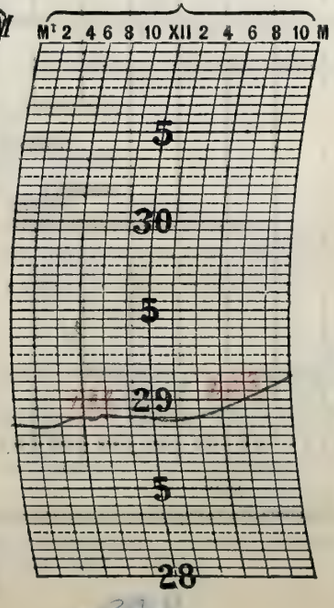
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 34.0 Wet temperature, 31.8
Dew-point, 29 R. humidity, 79 V. pressure, .15?
Clouds: Amount, 10; Kind, StCu; Direction, W
Velocity of clouds (miles per hour)

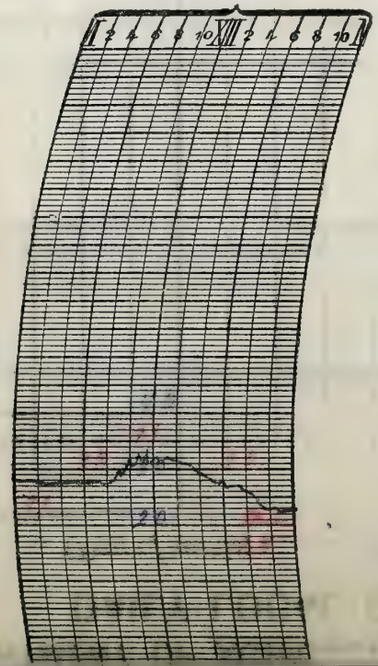
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



NOTES.

Snowfall at 2:00 a.m., 0.2 inch
A dreary day with light snow
falling & dimmy most of the time
during.

Prepared by

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) MAR 14 1923, 192

Time (local standard). 90 mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 25 | 25 | 25 | 24 | 23 | 23 | 2 | 23 | 24 | 24 | 25 | 26 | 28 | 27 | 27 | 30 | 29 | 25 | 2 | 28 | 27 | 26 | 26 | 25 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | S80 | | | S8E | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | Cloudy | | | | | | | Cloudy | | | | | | | | | |
| Sunrise: Time, Character, | 5:04 Cloudy | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: | 11:52a | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, Character, | | | | | | | | | | | | | | | | | | | | | 5:44 Cloudy | | | |
| Moonset: | | | | | | | | | | | | | | | | | | | | | 3:11 Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | | 6 | 8 | 8 | 8 | 9 | 9 | 0.7 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wind direction | NW | W | W | W | W | W | NW | W | W | W | W | W | W | SW | SW | SW | SW | SE | SE | SE | SE | E | E | E |
| Wind movement | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 4 | 3 | 4 | 4 | 5 | 5 | 5 |
| Maximum velocities (exceeding ____ miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

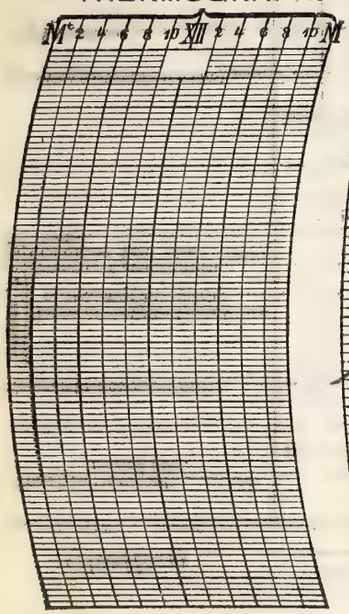
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 30 | 22 | 26 | |

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0.2 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 10
Actual sunshine, hours, 0.9 Possible sunshine, hours, 11.9
Per cent of possible sunshine, 8
Prevailing wind direction, W Total wind 189
Average hourly velocity, 8.3 Extreme velocity,
Maximum velocity, 17 Direction, NW
Time began, 4:16 a Time ended, 4:22 a
Reduced barometer, 30.31 7 a. m. 30.44 7 p. m.
River gage, 16.4 Fall
Relative humidity, 7 a. m. 2 p. m.

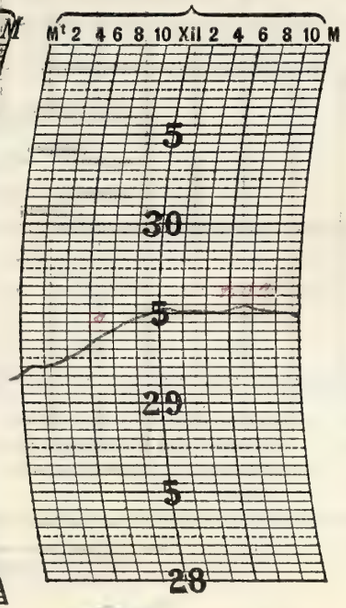
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 26.0 Wet temperature, 24.0
Dew-point, 20 R. humidity, 75 V. pressure, 10.3
Clouds: Amount, 9; Kind, St Cu; Direction, W
Velocity of clouds (miles per hour)

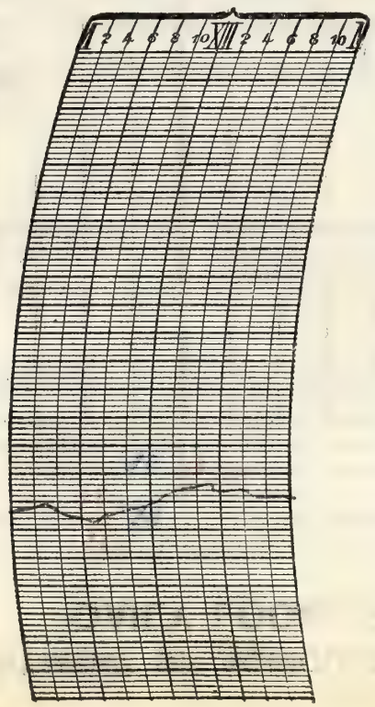
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




NOTES.

Snowfall 5 p.m. to 7:00 p.m. — Trace
Cloudy and snowing lightly

Prepared by

Verified by C. McDonough

8—486

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) ..., (Date) MAR 15 1923, 192

Time (local standard)..... mer. normal time.

| | A. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 26 | 25 | 25 | 26 | 27 | 28 | | 29 | 32 | 35 | 38 | 42 | 43 | 41 | 40 | | | | 42 | 43 | 44 | 46 | 46 | |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | RB 1251 | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | — | — | — | — | — | — | — | — | — | — | — | — |
| Cloudiness and other conditions | | | | | | | Cloudy | | | | | | | | | Cloudy | | | | | | | | |
| Sunrise: Time, Character, 6:53 Clear. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, Cloudy. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 2 | | | | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | E | E | E | E | E | E | E | E | E | E | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | S |
| Wind movement | 12 | | 12 | | 15 | 16 | 14 | | 16 | | | | 12 | 11 | 6 | 6 | 9 | 8 | 9 | 14 | 15 | 14 | 14 | 8 |
| Maximum velocities (exceeding ..... miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

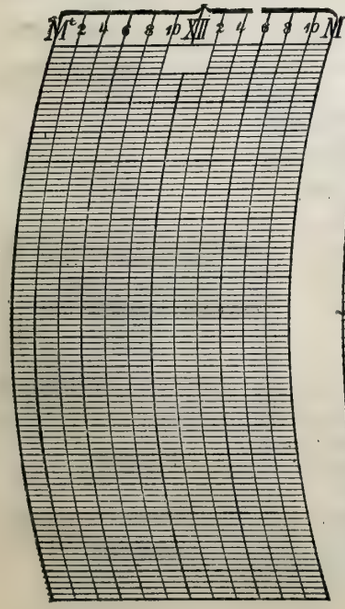
| | Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|---|
| | 50 | 25 | 38 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .51 ins.
Total precipitation, midnight to midnight, .51 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 11.9
Per cent of possible sunshine, 0
Prevailing wind direction, S Total wind 288
Average hourly velocity, 11.7 Extreme velocity, 20
Maximum velocity, 20 Direction, S
Time began, 11:46 p.m.
Reduced barometer, 30.17 7 a. m. 29.71 7, p. m.
River gage, 14.5 feet.
Relative humidity, 87 7 a. m. 98 7 p. m.

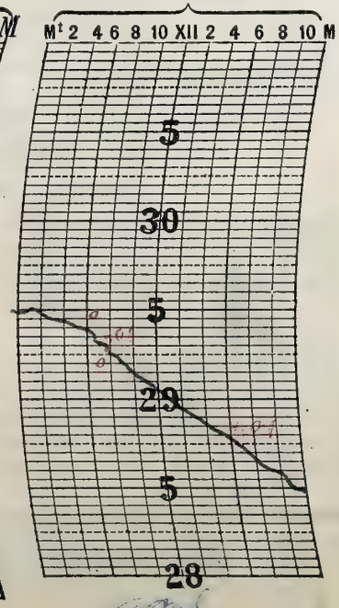
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 42.0 Wet temperature, 36.8
Dew-point, 30 R. humidity, 61 V. pressure, .164
Clouds: Amount, 10; Kind, St; Direction, SW.
Velocity of clouds (miles per hour)

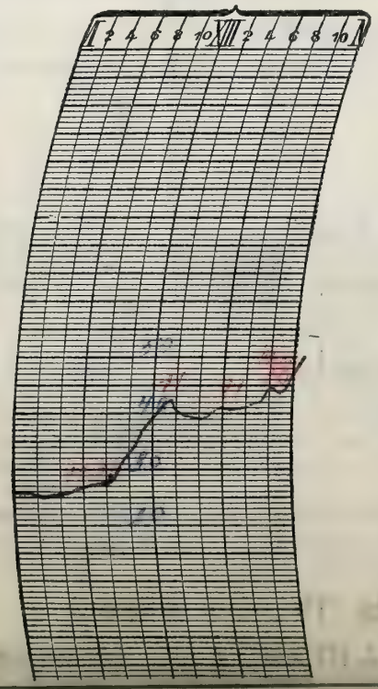
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by ...
Verified by P. McDonough

## NOTES.

*Estimated.

A cloudy day with cloudy
misty conditions, and rain
most of the time.
Rain began at 3:10 p.m., 13.8 feet.
Rain continued 6:40 p.m.
The River at Fort Wayne
was 14.5 feet at 7 a.m. It rose to
17.3 feet at 3 p.m., but owing to
the high wind which accompanied the
damage of a southwestern character is
expected that the river will rise
rapidly during the night and will
probably reach a stage of 18.0 feet
by Friday. As this forecast is based
on the amount of rain expected it may fall
short of 18.0 feet if rain should stop during
the night or rainfall in the upper
basin be small. P. McDonough

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) MAR 18 1932, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 53 | 55 | 49 | 37 | 31 | 29 | 28 | 30 | 26 | 25 | 25 | 24 | 27 | 27 | 28 | 28 | 27 | 26 | 25 | 24 | 24 | 24 | 23 | 23 |
| State of weather. Nature of precipitation and time of beginning and ending | | | RE 2:40 | | | | | SHR 9:10 | | SHE 9:02 | | | | | | | | | | | | | | |
| Amounts of precipitation | — | — | — | | | | | — | — | — | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← Cloudy | | | | | | → Pt Cldy | Cldy | → Pt Cldy | Cldy → | | Clear | | | | | | |
| Sunrise: Time, 5:57 Character, Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 5:48 Character, Clear | | | |
| Moonrise: 6:27 PM Cloudy | | | | | | | | | | | | | | | | | | | | | Moonset: 6:12 PM | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0.1 | 0.4 | 0.8 | 1.0 | 1.0 | 0.6 | 1.0 | 1.0 | 0.0 | .70 | | | | | | |
| Wind direction | S | S | S | W | W | W | W | W | W | W | W | W | W | W | W | W | NW | NW | NW | W | W | W | W | W |
| Wind movement | 24 | 27 | 29 | 26 | 27 | 28 | 28 | 26 | 23 | 22 | 21 | 21 | 21 | 19 | 22 | 17 | 15 | 11 | 8 | 7 | 6 | 5 | 4 | 4 |
| Maximum velocities (exceeding 25 miles) direction and time | | | 31 SW 2:44 PM | | 33 W 4:39 PM | 32 W 5:26 PM | 31 W 6:11 PM | 30 W 7:02 PM | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

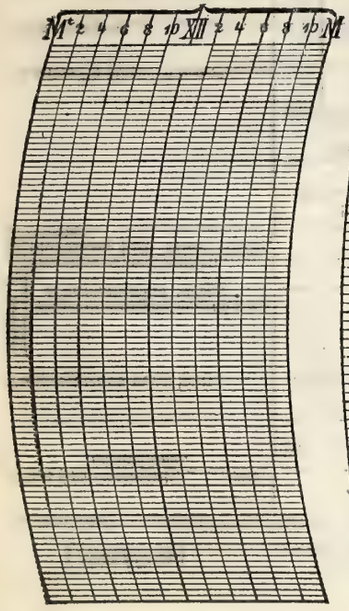
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 56 | 22 | 39 | |

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., .20 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .41 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10),
Actual sunshine, hours, 9.7 Possible sunshine, hours, 12.0
Per cent of possible sunshine, 64
Prevailing wind direction, W Total wind
Average hourly velocity, 12.7 Extreme velocity, 33
Maximum velocity, 31 Direction,
Time began, 3:44 PM
Reduced barometer, 29.15 a. m. 29.09 p. m.
River gage, 18.2 Feet
Relative humidity, 82 7 a. m. 69 7 p. m.

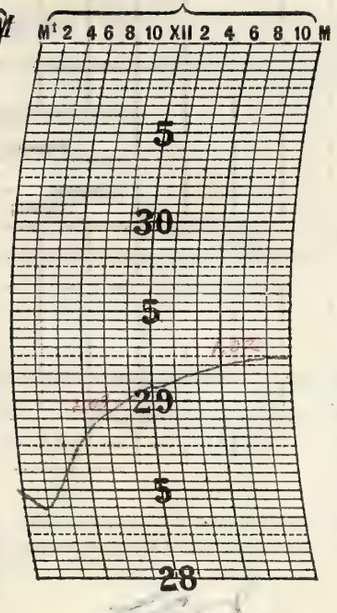
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 36.2 Wet temperature, 33.6
Dew-point, 18 R. humidity, 68 V. pressure, 0.93
Clouds: Amount, 7; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

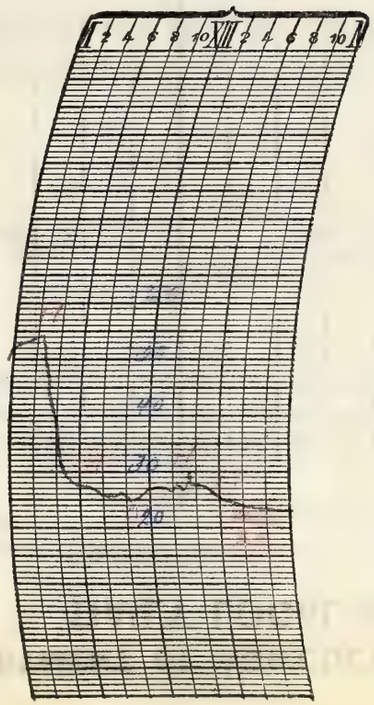
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



NOTES.

A sunny cloudy and cold day
River stage at 4:00 pm 18.1 feet

Prepared by

Verified by C. McDonough

8—486

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) ....., (Date) MAR 17 1923, 192

Time (local standard). 90° mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 22 | 22 | 22 | 22 | 22 | 23 | 24 | 26 | 30 | 32 | 35 | 37 | 39 | 42 | 42 | 43 | 43 | 42 | 39 | 38 | 37 | 37 | 36 | 35 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation Cloudiness and other conditions | | | | | | | ← | | Clear | | | | | | | Clear | | | | | | | | → |
| Sunrise: Time, 5:49 Character, Clear | | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: 6:52a Clear | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, 5:30 Character, Clear | | | | | | | | | | | | | | | | | | | | | | | | |
| Moonset: 6:08p Clear | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 4.0 | 10.0 | 10.0 | 10.0 | 7.3 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | .63 | | | | | | |
| Wind direction | W | SW | SW | S | S | S | S | S | S | S | S | S | SW | S | S | S | S | S | S | S | S | S | S | S |
| Wind movement | 9 | 7 | 6 | 7 | 7 | 6 | 5 | 10 | 14 | 16 | 17 | 17 | 16 | 15 | 14 | 11 | 10 | 8 | 7 | 6 | 9 | 8 | 8 | 8 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

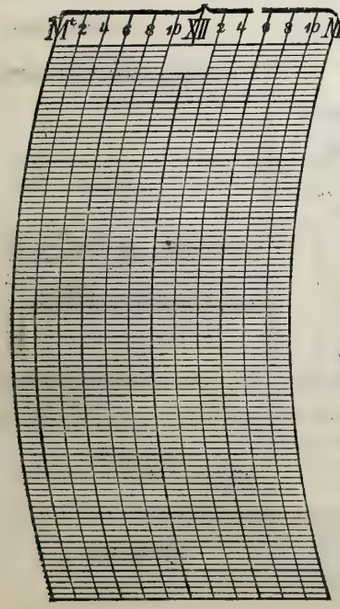
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 43 | 22 | 32 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, New 6:52 a
Average daily cloudiness (0-10), Fair
Actual sunshine, hours, 12.0 Possible sunshine, hours, 12.0
Per cent of possible sunshine, 100
Prevailing wind direction, S Total wind 256
Average hourly velocity, 10.7 Extreme velocity, 23
Maximum velocity, 21 Direction, S
Time began, 11:18 a m
Reduced barometer, 30.24 7 a. m. 30.11 7 p. m.
River gage, 12.3 Feet.
Relative humidity, 74 7 a. m. 57 7 p. m.

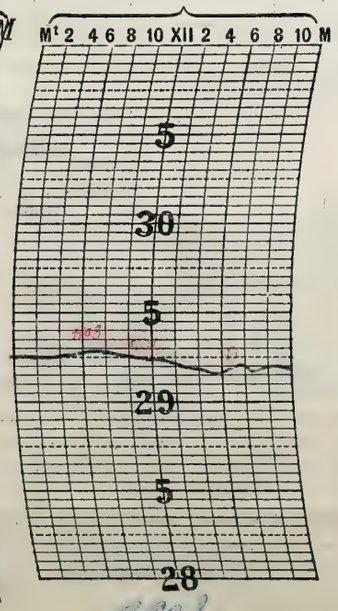
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 38.0 Wet temperature, 30.7
Dew-point, 18 R. humidity, 41 V. pressure, .093
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

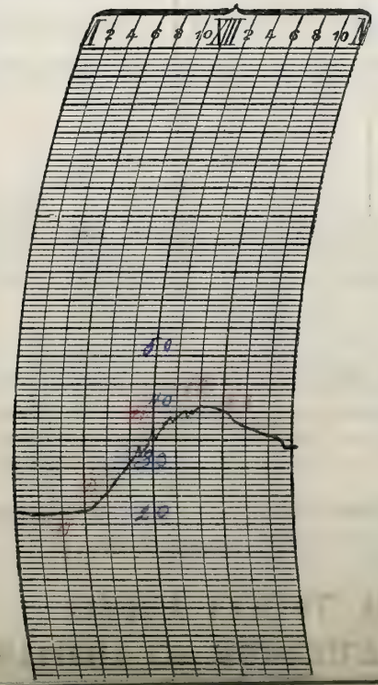
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by .....
Verified by P. McDonough

## NOTES.

Signal 12:00 Noon (70th Meridian Time) observation called per by the Evening Star is cold wave warning was received on the regular army telegraph at 9:20 a.m. It was printed on all bulletins and displayed. Forecast indicating this phenomena to occur on Sunday night

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) MAR 18 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 35 | 34 | 34 | 34 | 35 | 34 | 34 | 34 | 44 | 46 | 49 | 50 | 52 | 53 | 54 | 54 | 54 | 53 | 50 | 44 | 33 | 28 | 26 | 26 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | SNW 9:30 | | SNE |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Clear | Clear | Clear | Partly | Partly | Partly | | | | | | | | Partly | Cloudy | Cloudy | | |
| Sunrise: Time, Character; Moonrise: | Sunrise: 6:48 Cloudy; Moonrise: 5:26 | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character; Moonset: | Sunset: 6:05 Cloudy; Moonset: 6:02 | Cloudy | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 2 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | | | | | | |
| Wind direction | SW | S | S | S | S | S | S | S | SW | S | SW | SW | SW | S | S | SW | SW | S | SW | SW | W | NW | NW | NW |
| Wind movement | 7 | 8 | 4 | 4 | 7 | 8 | 6 | 6 | 11 | 12 | 14 | 14 | 13 | 14 | 12 | 13 | 13 | 9 | 7 | 7 | 20 | 16 | 20 | 23 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

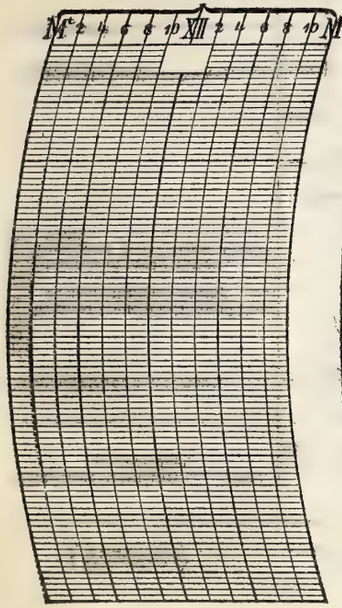
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 55 | 14 | 34 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0.0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0.0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 12.3 Possible sunshine, hours, 12.0
Per cent of possible sunshine, 86
Prevailing wind direction, W Total wind 330
Average hourly velocity, 12.1 Extreme velocity, 31
Maximum velocity, 31 Direction, NW
Time began, 11:05 P.M.
Reduced barometer, 30.06 7 a. m. 29.91 7 p. m.
River gage, 16.5 Fell
Relative humidity, 67 7 a. m. 56 7 p. m.

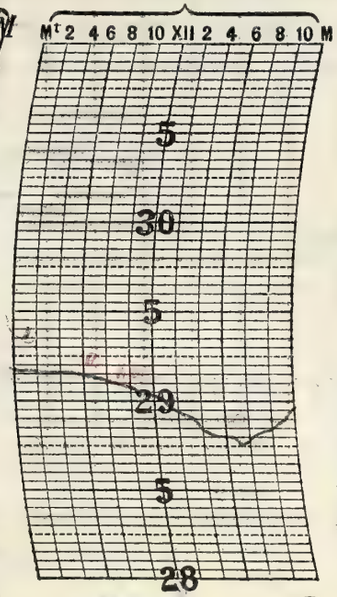
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 48.5 Wet temperature, 40.3
Dew-point, 29 R. humidity, 46 V. pressure, 192
Clouds: Amount, 4; Kind, Cirr; Direction, W
Velocity of clouds (miles per hour)

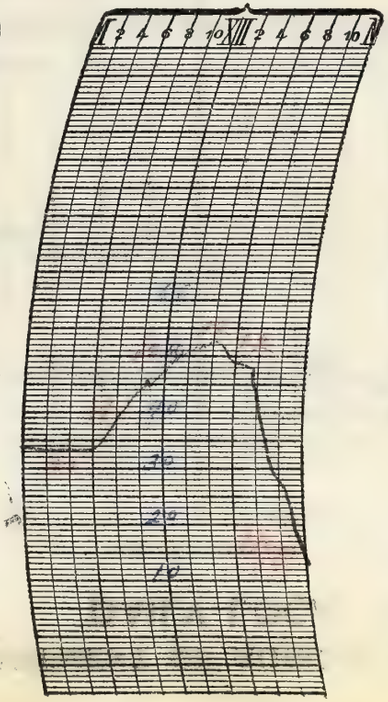
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by

Verified by P. McDonough

8—486

## NOTES.

Cold wave message was received at 9:30 a.m. Instructions were telephoned to Engineer Corps and other interested parties.

Record 12:00 Noon (75th Meridian Time) Observation was transmitted over direct to Washington by Chicago.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) MAR 19 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 10 | 9 | 9 | 7 | 7 | 8 | 8 | 9 | 11 | 13 | 14 | 15 | 16 | 16 | 17 | 14 | 14 | 14 | 13 | 12 | 12 | 12 | 12 | 12 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | 8:23 11:45 | | | 8:05 2:08 | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← Clear | | | | | Cloudy | | | | | | | Pt. Cldy | | Clear → | | | |

Sunrise: Time, 5:46 Character, Clear

Moonrise: 6:15 Clear

Sunset: Time, 5:52 Character, Cloudy

Moonset: 8:04 Clear

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sunshine (in tenths of hours) | | | | | | .23 0 | 0.3 | | | | | | 0.4 | 0.1 | 0.5 | 0.4 | 0 | 0 | | | | | | |
| Wind direction | NW | NW | NW | NW | NW | NW | NW | | | | | | NW | NW | NW | NW | NW | NW | NW | W | W | SW | SW | SW |
| Wind movement | 20 | 21 | 18 | 17 | 14 | 12 | 12 | 15 | 18 | 17 | 16 | 16 | 17 | 19 | 19 | 19 | 16 | 12 | 8 | 7 | 8 | 6 | 8 | 11 |
| Maximum velocities (exceeding 20 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

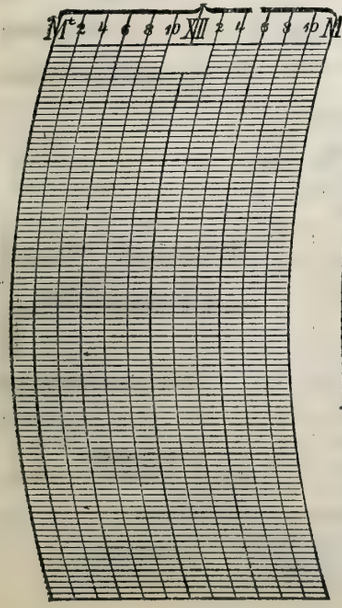
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 17 | 7 | 12 | |

Total depth of snow for 24 hours ending 7 p. m., 0.1 inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., .01 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy. Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 2.0 Possible sunshine, hours, 12.1
Per cent of possible sunshine, 58
Prevailing wind direction, NW Total wind 351
Average hourly velocity, 14.6 Extreme velocity, 29
Maximum velocity, 27 Direction, NW
Time began, 12:35 a.m.
Reduced barometer, 29.23 7 a. m. 30.15 7 p. m.
River gage, 12.1 Feet
Relative humidity, 72 7 a. m. 67 7 p. m.

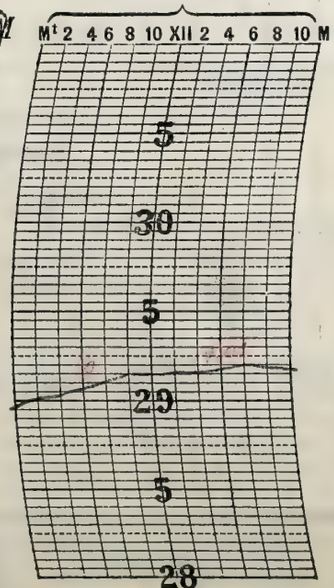
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 15.0 Wet temperature, 13.0
Dew-point, 6 R. humidity, 65 V. pressure, .062
Clouds: Amount, 9; Kind, St-Cu; Direction, NW
Velocity of clouds (miles per hour)

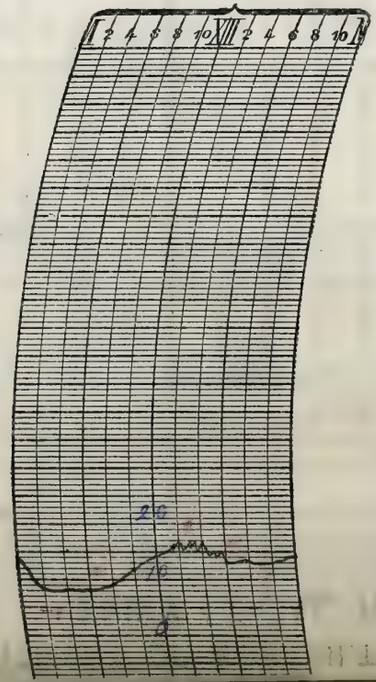
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by

Verified by F. McDonough

NOTES.

Downfall 7 p.m. - 0.1
A frosty cloudy and cold day
The cold wave warning for the 18th was fully verified

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) ____, (Date) MAR 20 1923, 192

| Time (local standard). 90° mer. normal time. | A. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 15 | 16 | 16 | 17 | 18 | 19 | 20 | 22 | 24 | 29 | 33 | 34 | 36 | 34 | 32 | 41 | 41 | 39 | 38 | 38 | 34 | 32 | 29 | 28 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Cloudy | Pt. Cloudy | Pt. Cloudy | Clear | Clear | Clear | Pt. Cloudy | Cloudy | Pt. Cloudy | Pt. Cloudy | Pt. Cloudy | Pt. Cloudy | Cloudy | → | | | | |
| Sunrise: Time, Character, 5:44 Cloudy. Moonrise: 2:25a Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 5:53 Cloudy. Moonset: 8:57p Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0.5 | 1.0 | 1.0 | 1.0 | 0.4 | 1.0 | 1.0 | 0.9 | 0 | | | | | | |
| Wind direction | SW | SW | SW | S | S | S | S | S | S | S | S | S | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW |
| Wind movement | 10 | 13 | 15 | 14 | 14 | 14 | 17 | 14 | 22 | 22 | 24 | 20 | 26 | 26 | 36 | 26 | 32 | 22 | 17 | 14 | 12 | 13 | 14 | 12 |
| Maximum velocities (exceeding ___ miles) direction and time | | | | | | | | | | | | | 33 12:18 | | SW 2:34 | | SW 4:04 | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

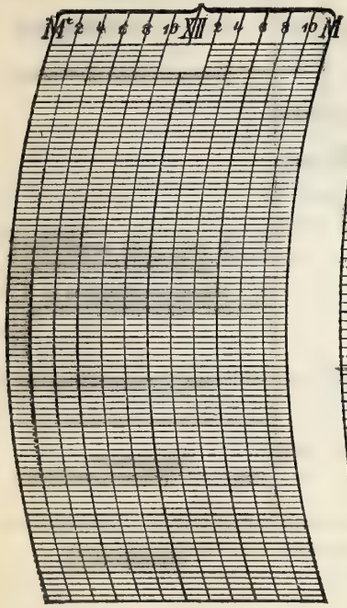
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 41 | 14 | 28 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 6.8 Possible sunshine, hours, 12.2
Per cent of possible sunshine, 56
Prevailing wind direction, SW. Total wind 1134
Average hourly velocity, 18.1 Extreme velocity, 33
Maximum velocity, 33 Direction, S
Time began, 12:18 p.m.
Reduced barometer, 30.05 7 a. m. 29.88 7 p. m.
River gage, 15.8 Fall 6
Relative humidity, 20 7 a. m. 15 7 p. m.

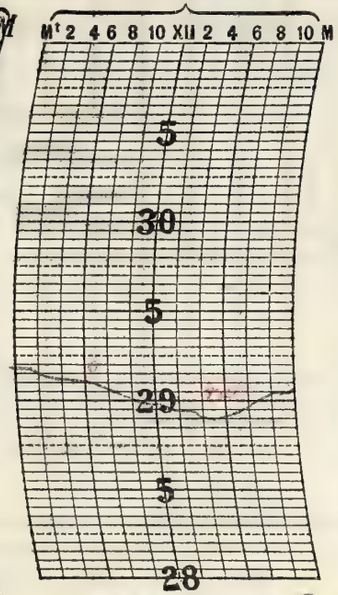
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 35.8 Wet temperature, 28.8
Dew-point, 15 R. humidity, 32 V. pressure, 28.1
Clouds: Amount, 5; Kind, Cu St; Direction, NW
Velocity of clouds (miles per hour)

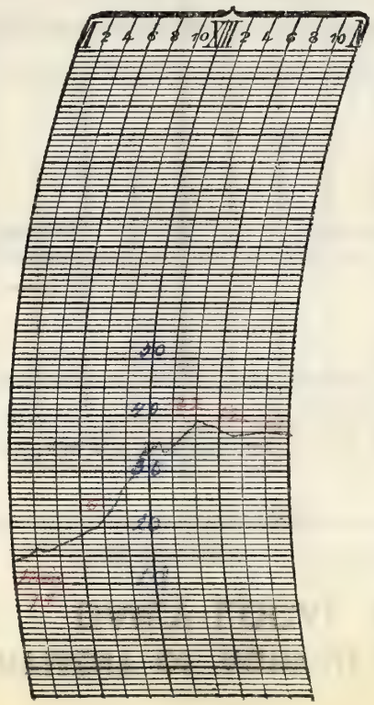
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




NOTES.

On Sunday Monday May with mild Temperatures

Prepared by

Verified by C. McDonough

8—486

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) MAR 21 1917, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 37 | 36 | 34 | 35 | 33 | 37 | 40 | 40 | 42 | 44 | 46 | 48 | 51 | 52 | 54 | 53 | 52 | 50 | 49 | 48 | 47 | 45 | 43 | 42 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Cloudy | | | | | | | | Cloudy | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.7 | 0 | | | | | | | |
| Wind direction | SW | SW | SW | SW | SW | S | SW | SW | SW | SW | SW | SW | SW | S | S | SW | SW | S | S | S | S | S | S | S |
| Wind movement | 10 | 11 | 12 | 10 | 11 | 11 | 11 | 14 | 16 | 18 | 19 | 18 | 17 | 18 | 19 | 18 | 16 | 13 | 12 | 10 | 14 | 13 | 16 | 13 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:43 Character, Cloudy
Moonrise: 7:37a Cloudy
Sunset: Time, 6:04 Character, Cloudy
Moonset: 2:52p Cloudy

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

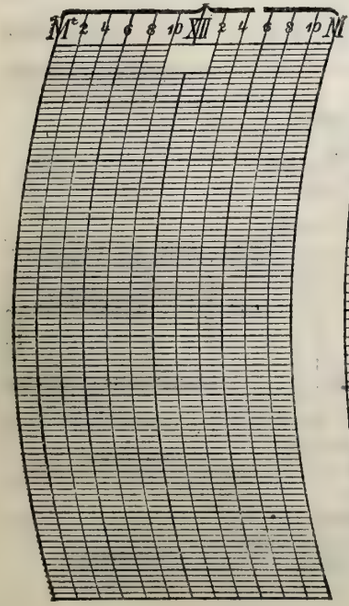
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 54 | 35 | 44 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10),
Actual sunshine, hours, 2.7 Possible sunshine, hours, 12.2
Per cent of possible sunshine, 63
Prevailing wind direction, SW Total wind 333
Average hourly velocity, 14.1 Extreme velocity, 24
Maximum velocity, 22 Direction, SW
Time began, 10:18a m
Reduced barometer, 29.39 7 a. m. 29.05 7 p. m.
River gage, 11.8 Feet
Relative humidity, 62 7 a. m. 44 7 p. m.

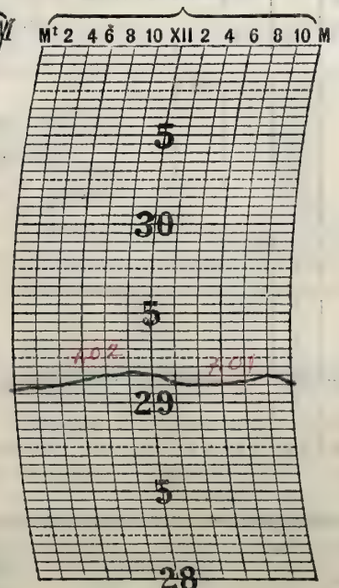
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 48.6 Wet temperature, 38.8
Dew-point, 25 R. humidity, 38 V. pressure, 1.20
Clouds: Amount, 5; Kind, Ast; Direction, NW
Velocity of clouds (miles per hour)

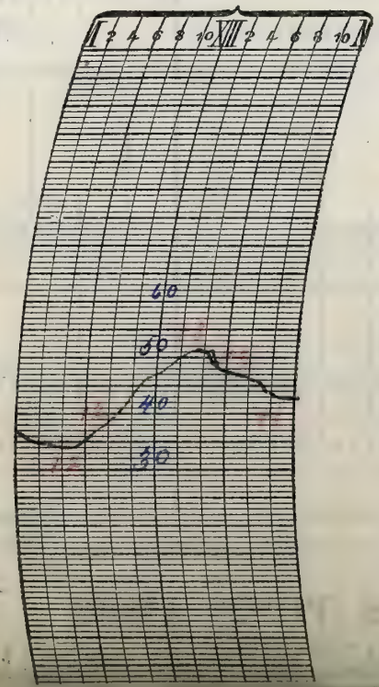
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



NOTES.

a heavy frost with temperature of 22° Fahrenheit was obtained from 4:30 a.m., until about 7:00 a.m.

Prepared by
Verified by J. McDonough

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) MAR 29 1923, 192

Time (local standard) 90 mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 43 | 43 | 43 | 43 | 44 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 54 | 55 | 56 | 56 | 56 | 57 | 51 | 48 | 43 | 38 |
| State of weather: Nature of precipitation and time of beginning and ending | RB | RB | RB | | | | | | | | | | | | | | | RB 5:00 | | RE 7:36 | | | | |
| Amounts of precipitation | - | - | - | - | | | | | | | | | | | | | | - | - | - | | | | |
| Cloudiness and other conditions | | | | | | | Foggy | Cloudy | | | | | Cloudy | | | | | | | | | | | |

Sunrise: Time 5:41, Character Foggy
Moonrise: 8:32 a Cloudy
Sunset: Time 5:55, Character Cloudy
Moonset: 10:45 p Cloudy

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | S | S | S | S | S | SW | SW | SW | SW | SW | SW | SW | SW | SW | S | S | SW | SW | SW | SW | SW | W | W | W |
| Wind movement | 10 | 7 | 8 | 9 | 9 | 7 | 7 | 8 | 9 | 11 | 11 | 12 | 11 | 9 | 11 | 11 | 13 | 15 | 15 | 18 | 20 | 19 | 19 | 17 |
| Maximum velocities (exceeding ___ miles) direction and time | | | | | | | | | | | | | | | | | | | | | 32 SW 8 | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

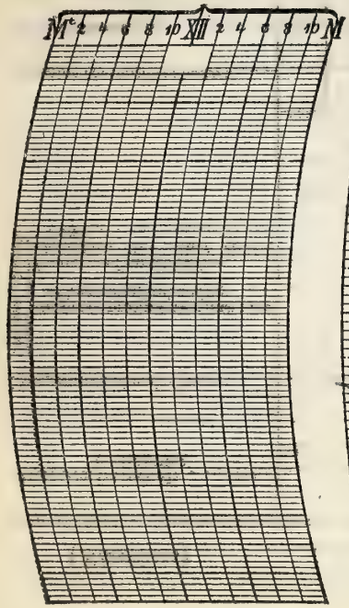
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 57 | 38 | 48 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 6 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 2 a. m., .20 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .20 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9.0
Actual sunshine, hours, 0.1 Possible sunshine, hours, 12
Per cent of possible sunshine, 1
Prevailing wind direction, SW Total wind 268
Average hourly velocity, 12.0 Extreme velocity, 33
Maximum velocity, 31 Direction, W
Time began, 8:40 p m
Reduced barometer, 29.91 7 a. m. 29.91 7 p. m.
River gage, 8.6 Feet
Relative humidity, 7 a. m. 89 7 p. m.

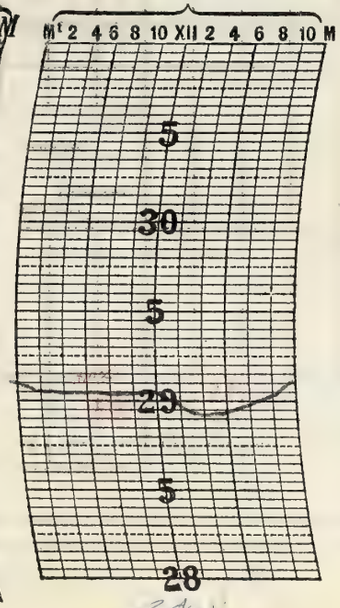
### OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 50.7 Wet temperature, 48.9
Dew-point, 47 R. humidity, 88 V. pressure, .324
Clouds: Amount, 10; Kind, Sc; Direction, SW
Velocity of clouds (miles per hour)

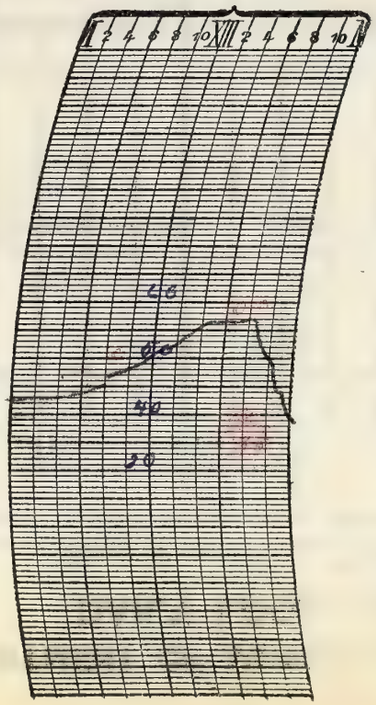
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by
Verified by C. M. Donough

8—486

## NOTES.

Dense fog began — 10 m. a.
Dense fog ended 7:25 a.m.
Light fog began — 9:25 a.m.
Light fog ended 9:35 a.m.
Ice thickness decreased with melted precipitation.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) ....., (Day of week) ....., (Date) ....., 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 32 | 36 | 34 | 33 | 34 | 33 | 32 | 33 | 33 | 33 | 34 | 35 | 35 | 36 | 36 | 36 | 36 | 35 | 34 | 33 | 33 | 32 | 31 | 30 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | Cloudy | | | | | | Cloudy | | | | | → | Clear | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | | | | | | |
| Wind direction | W | NW | NW | W | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | | W | W | W | W | SW | SW | W |
| Wind movement | 12 | 13 | 11 | 9 | 11 | 9 | 10 | 6 | 8 | 8 | 8 | 9 | 11 | 11 | 13 | 13 | 11 | 11 | 6 | 6 | 5 | 3 | 3 | 2 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:39 Character, Clear
Moonrise: 9:11a Cloudy
Sunset: Time, 5:56 Character, Clear
Moonset: 11:49p —

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

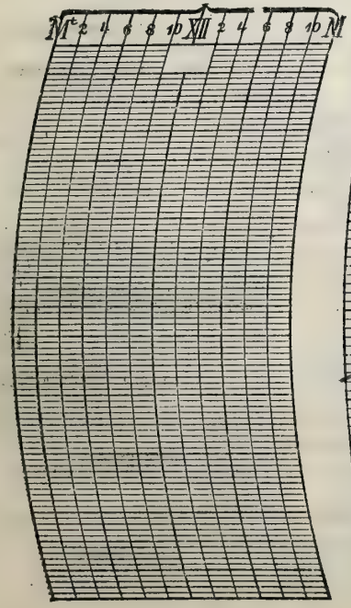
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 38 | 30 | 34 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, ..... inches.
Character of day, Cloudy Moon phase, .....
Average daily cloudiness (0–10), .....
Actual sunshine, hours, 0.6 Possible sunshine, hours, 12.3
Per cent of possible sunshine, 5
Prevailing wind direction, NW Total wind, 224
Average hourly velocity, 9.3 Extreme velocity, 15
Maximum velocity, 16 Direction, NW
Time began, 3:08 p.m.
Reduced barometer, 30.14 7 a. m. 30.16 7, p. m.
River gage, 2.2 Feet.
Relative humidity, 84 7 a. m. 72 7 p. m.

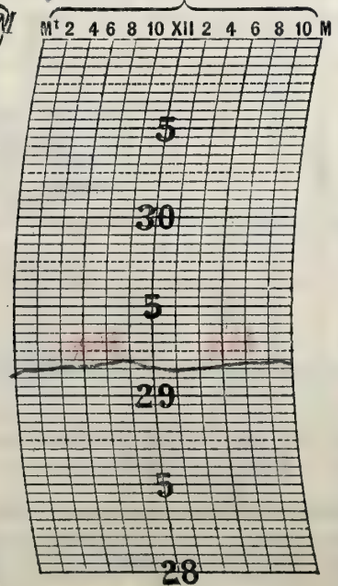
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 34.0 Wet temperature, 31.0
Dew-point, 27 R. humidity, 72 V. pressure, 1.43
Clouds: Amount, 10; Kind, St Cu; Direction, NW
Velocity of clouds (miles per hour) .....

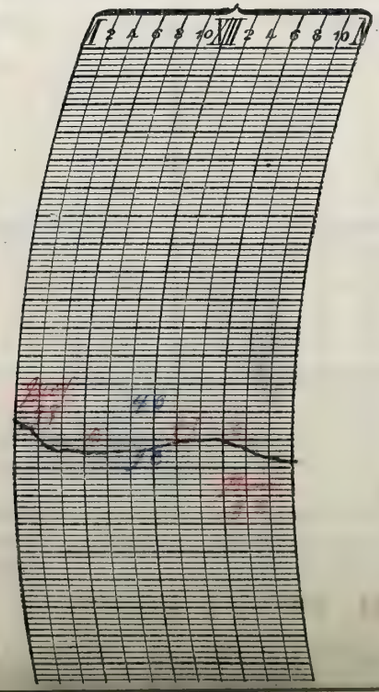
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




NOTES.

A Cloudy and cold day

Prepared by .....
Verified by J. McDonough

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(*Station*) Fort Wayne, Ind., (*Day of week*) Saturday, (*Date*) MAR 24 1923, 192

Time (local standard). 24th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 30 | 30 | 31 | 33 | 33 | 33 | | 33 | 32 | 32 | 32 | 33 | 35 | 36 | 37 | 39 | 38 | 37 | | | 34 | 33 | 31 | 30 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Clear | Clear | Clear | Clear | | | Clear | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Wind direction | SW | SW | SW | SW | SW | W | W | NW | NW | NW | NW | NW | W | W | W | W | W | NW | | | E | E | SE | |
| Wind movement | 8 | 6 | | 10 | 14 | 12 | 5 | | 10 | | | | 14 | 14 | 12 | 9 | 8 | 6 | 3 | 3 | 2 | | | |
| Maximum velocities (exceeding 50 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:38 Character, Cloudy
Moonrise: 2:52 a. m. Clear

Sunset: Time, 5:57 Character, Cloudy
Moonset:

| Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

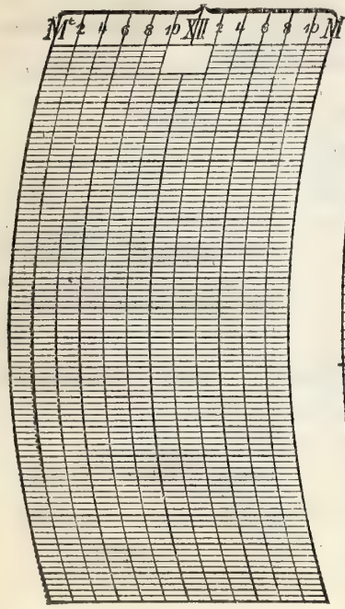
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 39 | 30 | 34 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10),
Actual sunshine, hours, 9.2 Possible sunshine, hours, 12.3
Per cent of possible sunshine, 75
Prevailing wind direction, NW Total wind 251
Average hourly velocity, 10 Extreme velocity, 26
Maximum velocity, 23 Direction, E
Time began, 8:10 a. m.
Reduced barometer, 30.15 7 a. m. 30.25 7 p. m.
River gage, 7.8 Feet
Relative humidity, 77 7 a. m. 49 7 p. m.

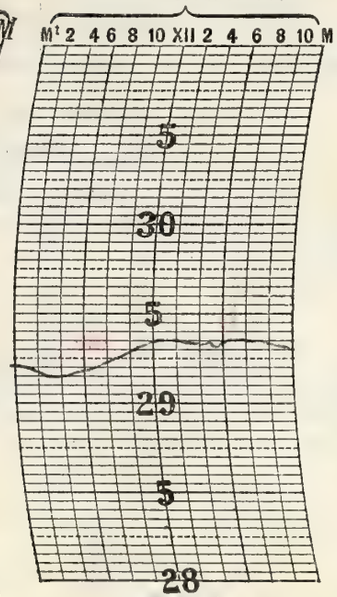
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 32.0 Wet temperature, 26.0
Dew-point, 13 R. humidity, 41 V. pressure, 074
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

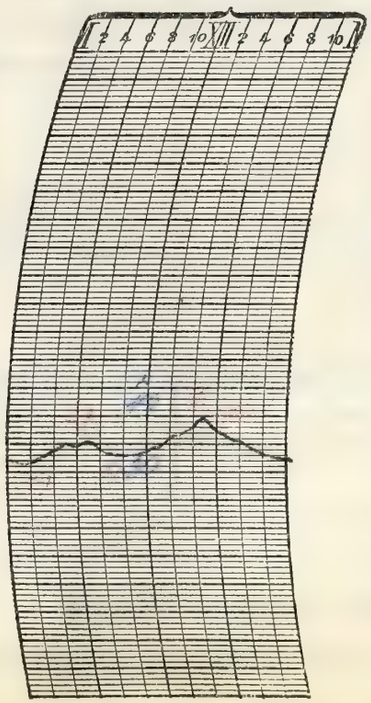
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




NOTES.

Clear warm weather moderate temperature

*Prepared by*

*Verified by* P. M. Donough

8—486

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(*Station*) Fort Wayne, Ind., (*Day of week*) ....., (*Date*) MAR 21 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 30 | 29 | 29 | 29 | 34 | 36 | 38 | 42 | 45 | 49 | 53 | 55 | 57 | 60 | 58 | 57 | 55 | 45 | 40 | 32 | 29 | 27 | 26 | 26 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | < | | Cloudy | | | | | | | Cloudy | | | | | | | | | |

Sunrise: Time, 6:36 Character, Cloudy
Moonrise: 10:10 Cloudy
Sunset: Time, 5:08 Character, Cloudy
Moonset: 12:30

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0.2 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | | | | | | | | |
| Wind direction | E | E | E | E | SE | S | S | S | S | SW | SW | SW | SW | SW | SW | SW | SW | N | N | NW | NE | NE | NW | NW |
| Wind movement | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 8 | 13 | 15 | 12 | 12 | 12 | 16 | 12 | 12 | 12 | 10 | 10 | 12 | 13 | 11 | 9 | 9 |
| Maximum velocities (exceeding 25 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

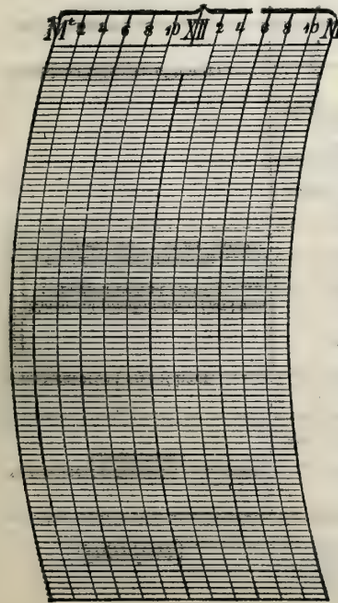
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 60 | 26 | 43 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0.00 inches.
Character of day, Cloudy Moon phase, E.Q. 10.4 P.M.
Average daily cloudiness (0-10), 8.5
Actual sunshine, hours, 2.5 Possible sunshine, hours, 12.6
Per cent of possible sunshine, 60
Prevailing wind direction, SW Total wind 300
Average hourly velocity, 12.3 Extreme velocity, 33
Maximum velocity, 31 Direction, SW
Time began, 1:48 p.m.
Reduced barometer, 29.10 a. m. 29.06 p. m.
River gage, 5.0 5.1
Relative humidity, 61 a. m. 54 p. m.

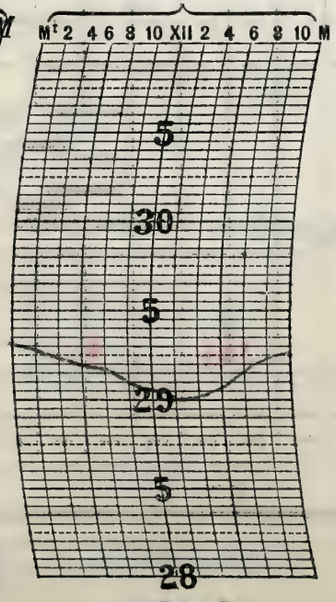
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 45.5 Wet temperature, 40.0
Dew-point, 32 R. humidity, 72 V. pressure, .187
Clouds: Amount, 7 ; Kind, Cu ; Direction, SW
Velocity of clouds (miles per hour)

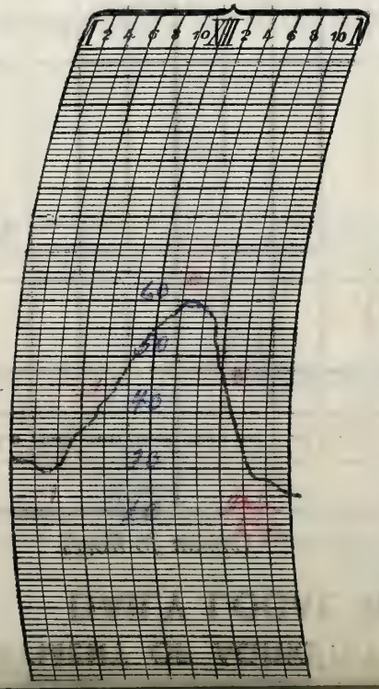
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by .....
Verified by P. McDonough

## NOTES.

A cold wave warning was received at 9:00 a.m. The information was telephoned to interested parties. A sharp day with rising temperature. Low early morning went to 4:00 p.m. when temperature attained 60°, and then began to fall reaching 100° by 12 p.m. Clear P.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) MAR 26 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 24 | 23 | 22 | 22 | 21 | 20 | 20 | 21 | 23 | 25 | 27 | 30 | 34 | 36 | 37 | 38 | 36 | 35 | 33 | 33 | 31 | 30 | 29 | 30 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | S 6:19 R 6:30 | | | | | | | | | | | | | | | | | |
| State of weather: Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| State of weather: Cloudiness and other conditions | | | | | | | Cloudy | × | × | Cloudy | | | × | | | Clear | | | | | | | | |
| Sunrise: Time, Character, 5.34 Cloudy. Moonrise: 11:38a Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 5.09 Clear. Moonset: 1:25a | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Wind direction | NE | NE | NE | NE | NE | N | NE | N | NE | NE | N | N | NW | NW | NW | NW | W | W | W | SW | SW | SW | SW | SW |
| Wind movement | 10 | 11 | 12 | 11 | 10 | 9 | 8 | 7 | 7 | 8 | 8 | 8 | 5 | 6 | 6 | 7 | 7 | 6 | 4 | 4 | 5 | 7 | 8 | 11 |
| Maximum velocities (exceeding ___ miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

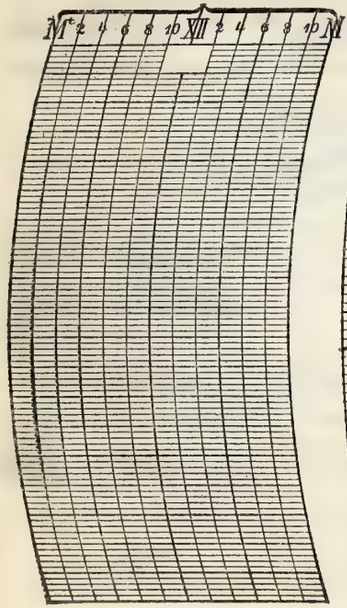
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 38 | 20 | 29 | |

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy. Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 9.5 Possible sunshine, hours, 12.4
Per cent of possible sunshine, 77
Prevailing wind direction, NE Total wind, 186
Average hourly velocity, 7.8 Extreme velocity, 18
Maximum velocity, 17 Direction, NE
Time began, 12:15 p. m.
Reduced barometer, 30.26 a. m. 30.31 p. m.
River gage,
Relative humidity, 79 a. m. 55 p. m.

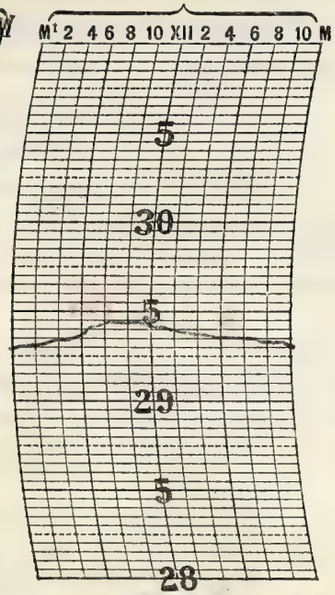
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 29.0 Wet temperature, 24.5
Dew-point, 13 R. humidity, 51 V. pressure, .081
Clouds: Amount, 4; Kind, Cu; Direction, N.W.
Velocity of clouds (miles per hour)

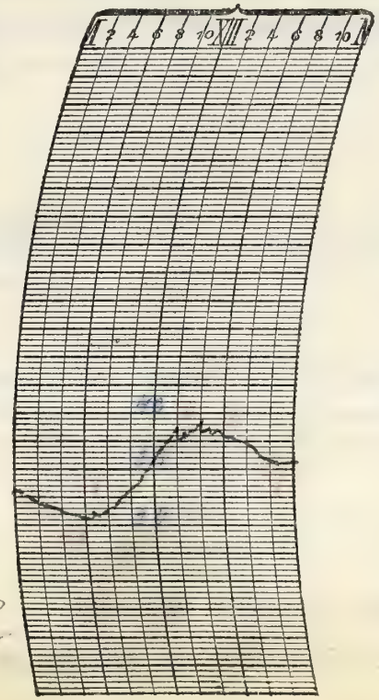
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by

Verified by P. McDonough

8—486

## NOTES.

A frosty Sunday Morn with
clear sky Rising Temperature
The cold wave warning of
the 25th was fully verified.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(*Station*) ....., (*Day of week*) ....., (*Date*) ....., 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 30 | 30 | 31 | 33 | 33 | 34 | 35 | 34 | 44 | 46 | 46 | 43 | 38 | 37 | 36 | 34 | 32 | 29 | 28 | 27 | 26 | 25 | 25 | 24 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | — | — | Clear | | | | | | | | Clear | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0 | | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | W | W | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | W | SW |
| Wind movement | 13 | 11 | 13 | 14 | 14 | 15 | 14 | 15 | 15 | 19 | 24 | 23 | 20 | 23 | 22 | 21 | 22 | 16 | 10 | 7 | 9 | 8 | 8 | 7 |
| Maximum velocities (exceeding 10 miles) direction and time | | | | | | | | | | | | | 30 NW | | | | | | | | | | | |

Sunrise: Time, 5.33 Character, Clear
Moonrise: 12.38a Cloudy
Sunset: Time, 4.42 Character, Clear
Moonset: 2.18a

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

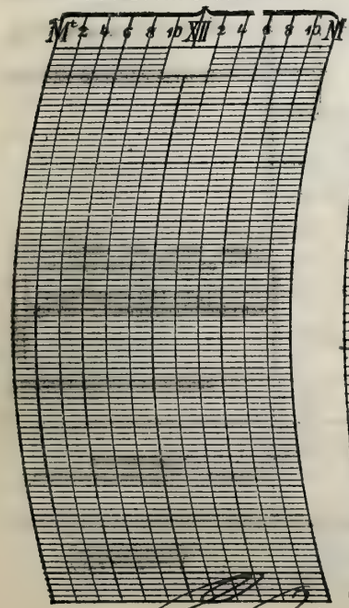
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 46 | 24 | 35 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0–10), 2
Actual sunshine, hours, 12.4 Possible sunshine, hours, 12.4
Per cent of possible sunshine, 100
Prevailing wind direction, NW Total wind 370
Average hourly velocity, 10.4 Extreme velocity, 32
Maximum velocity, 30 Direction, NW
Time began, 12.38p m
Reduced barometer, 16.16 7 a. m. 16.08 7 p. m.
River gage, 4.4 Feet
Relative humidity, 66 7 a. m. 64 7 p. m.

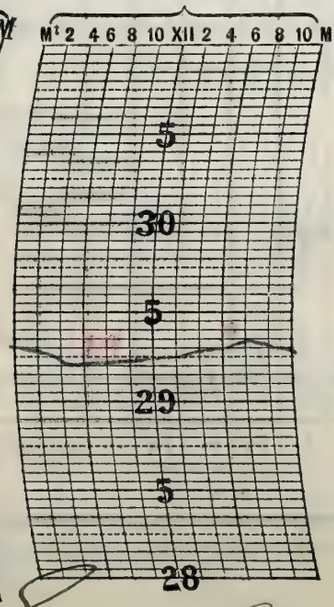
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 42.4 Wet temperature, 37.0
Dew-point, 30 R. humidity, 60 V. pressure, 16.4
Clouds: Amount, 3; Kind, Cu.; Direction, NW.
Velocity of clouds (miles per hour)

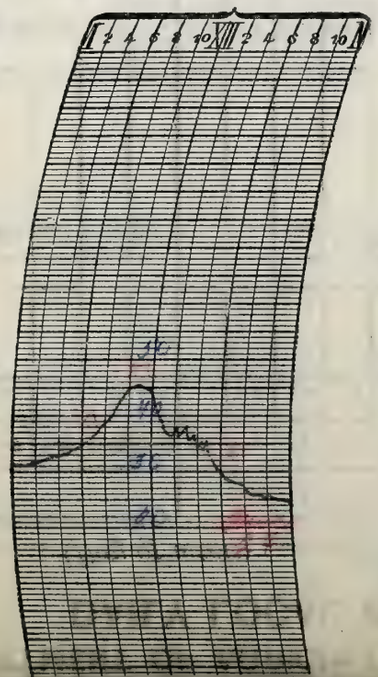
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by C. S. [illegible]
Verified by J. M. O'Donovan

## NOTES.

A clear day with moderate westerly winds and steady falling temperature

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Wednesday, (Date) MAR 21 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 24 | 25 | 25 | 23 | 22 | 21 | 20 | 19 | 20 | 20 | 19 | 20 | 22 | 20 | 21 | 20 | 19 | 18 | 17 | 17 | 15 | 15 | 14 | 14 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | SW B 6:32 SW E 6:33 | SW B 7:07 SW E 7:42 | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | — | — | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | PM Cloudy | | | | | | Clear | | | | | | | | PM Cloudy | | |
| Sunrise: Time, Character, 5:31 Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 6:01 Clear | | | |
| Moonrise: 1:43a Clear | | | | | | | | | | | | | | | | | | | | | Moonset: 2:57a | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0.2 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0.9 | 0.2 | | | | | |
| Wind direction | SW | W | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | | | N | | | | |
| Wind movement | 12 | 15 | 17 | 24 | 23 | 23 | 26 | 28 | 28 | 25 | 25 | 21 | 19 | 18 | 14 | 14 | 12 | 8 | 8 | 6 | 4 | 3 | 3 | 3 |
| Maximum velocities (exceeding 20 miles) direction and time | | | | | | | 34 NW 6:47 | 30 NW 7:40 | 34 NW 8:45 | 31 NW 9:40 | 30 NW 10:06 | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

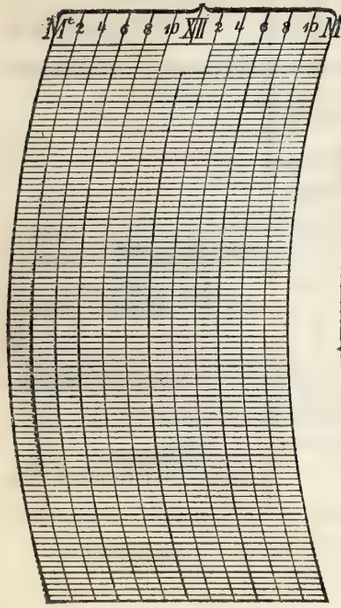
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 25 | 14 | 20 | |

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 10.9 Possible sunshine, hours, 11.5
Per cent of possible sunshine, 87
Prevailing wind direction, NW Total wind 330
Average hourly velocity, 11 Extreme velocity, 34
Maximum velocity, 34 Direction, NW
Time began, 8:46 a.m.
Reduced barometer, 30.26 7 a. m. 30.40 7 p. m.
River gage, 6.0 Fall
Relative humidity, 68 7 a. m. 42 7 p. m.

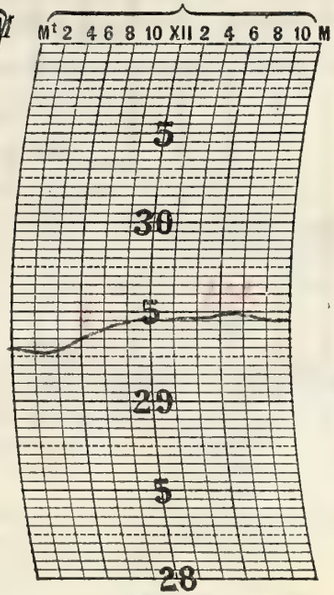
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 19.2 Wet temperature, 15.0
Dew-point, -1 R. humidity, 37 V. pressure, .026
Clouds: Amount, 3; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

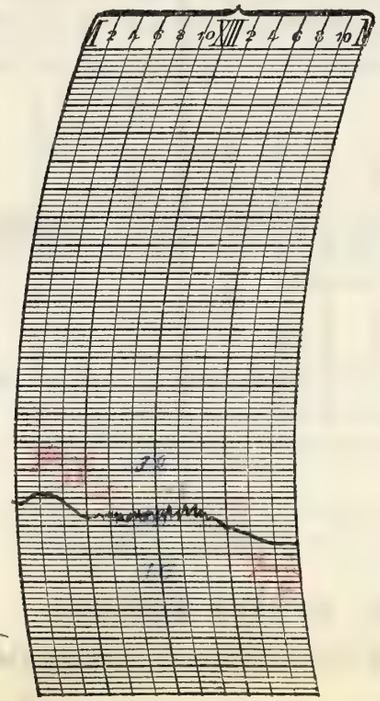
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by

Verified by P. McDonough

8—486

## NOTES.

Partly Cloudy forenoon and late night and clear in afternoon, cold with moderate northwest winds.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Thursday, (Date) MAR 29 1917, 192

Time (local standard), 90° mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 13 | 13 | 13 | 13 | 14 | 17 | 19 | 23 | 25 | 28 | 32 | 40 | 42 | 49 | 50 | 52 | 51 | 45 | 49 | 42 | 40 | 38 | 32 | 31 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | — | — | Cloudy | — | — | — | — | — | Cloudy | — | — | — | — | Cloudy | — | — | — | — | — |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 10 | 10 | 10 | 06 | 0 | 0 | | | | | |
| Wind direction | NE | E | E | SE | SE | SE | S | S | S | S | S | SW | SW | SW | SW | SW | SW | SW | W | NW | NW | NW | W | W |
| Wind movement | 3 | 4 | 4 | 5 | 7 | 10 | 11 | 17 | 17 | 21 | 22 | 21 | 27 | 29 | 29 | 25 | 20 | 11 | 14 | 15 | 11 | 8 | 8 | 7 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | 38 SW 1147 | 34 SW 1252 | 37 SW 1130 | 32 SW 347 | | | | | | | | |

Sunrise: Time, 5.29 Character, Cloudy
Moonrise: 2.32p Cloudy

Sunset: Time, 6.02 Character, Cloudy
Moonset: 3.39a —

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 52 | 13 | 32 | — |

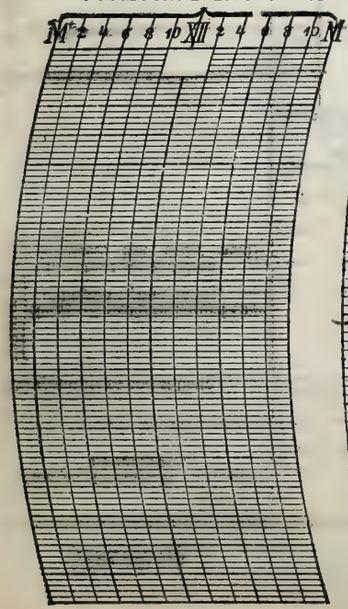
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 5.2 Possible sunshine, hours, 12.6
Per cent of possible sunshine, 41
Prevailing wind direction, SW Total wind 246
Average hourly velocity, 14.4 Extreme velocity, 39
Maximum velocity, 37 Direction, SW
Time began, 2130 p.m.
Reduced barometer, 30.27 7a. m. 29.94 7p. m.
River gage, 5.2 feet.
Relative humidity, 82 7a. m. 57 7p. m.

| Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | |

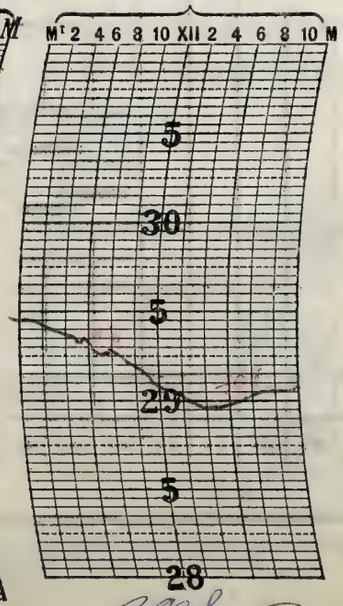
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 38.6 Wet temperature, 30.9
Dew-point, 17 R. humidity, 32 V. pressure, 087
Clouds: Amount, 7; Kind, StCu; Direction, —
Velocity of clouds (miles per hour)

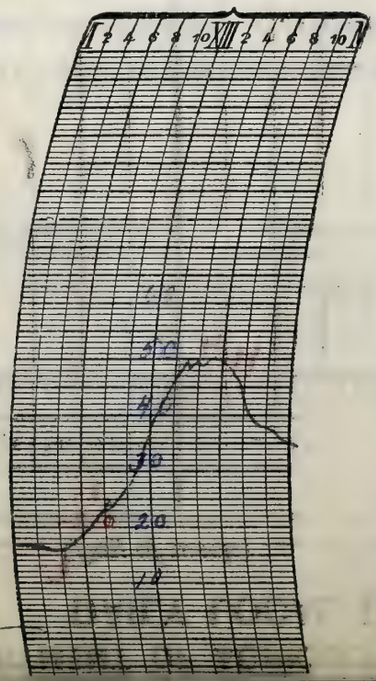
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cloudy and windy day with showery passing temperatures. A cold wave warning was received in the late night indicating a fall in temperature to 15° or 20° above zero in northern part of state and to 20° or 25° in southern part Friday night.

Prepared by P. McDonough
Verified by

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Friday, (Date) MAR 30 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 36 | 35 | 34 | 33 | 31 | 31 | 30 | 30 | 29 | 28 | 29 | 28 | 24 | 23 | 22 | 19 | 19 | 18 | 19 | 18 | 17 | 16 | 16 | 16 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | SnB 3:00 SnE 3:19 | SnB 4:30 SnE 5:00 | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | — | — | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | Cloudy | → | Clear | → | | | | | × | Cloudy | → | | Snow | → | Clear | → | | |

Sunrise: Time, 5:28 Character, Cloudy
Moonrise: 4:09a Cloudy
Sunset: Time, 6:03 Character, Clear
Moonset: 4:29a

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0.6 | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.5 | 0.2 | 1.0 | 0.5 | | | | | |
| Wind direction | W | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | | | | |
| Wind movement | 8 | 8 | 9 | 12 | 13 | 11 | 13 | 14 | 18 | 17 | 21 | 23 | 25 | 25 | 24 | 27 | 24 | 18 | 15 | 13 | 15 | 15 | | |
| Maximum velocities (exceeding 25 miles) direction and time | | | | | | | | | | | | | | | | 30 NW 3:05 p.m. | 30 NW 4:32 p.m. | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

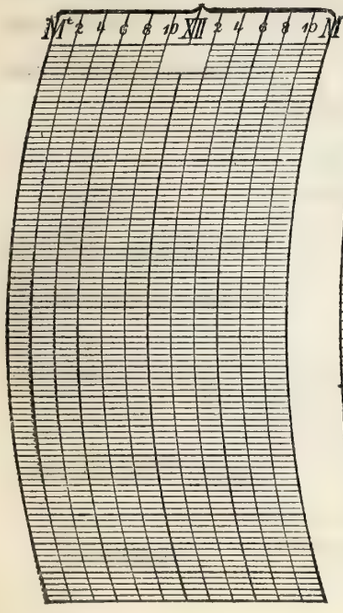
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 36 | 13 | 24 | |

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 8
Actual sunshine, hours, 8.8 Possible sunshine, hours, 11.6
Per cent of possible sunshine, 70
Prevailing wind direction, NW Total wind 384
Average hourly velocity, 16.0 Extreme velocity, 32
Maximum velocity, 30 Direction, NW
Time began, 3:04p.m.
Reduced barometer, 29.07 7 a. m. 29.34 7, p. m.
River gage, 4.7 Fall
Relative humidity, 53 7 a. m. 62 7 p. m.

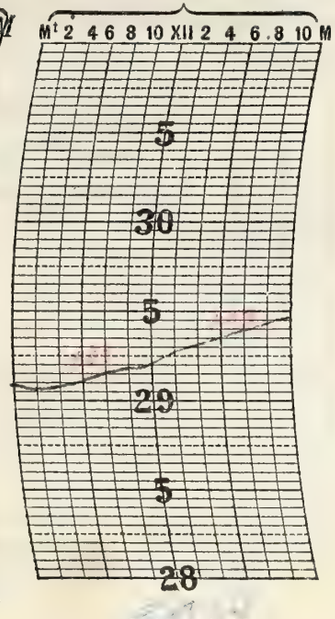
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 27.0 Wet temperature, 21.4
Dew-point, 5 R. humidity, 35 V. pressure, 0.19
Clouds: Amount, 9/10; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

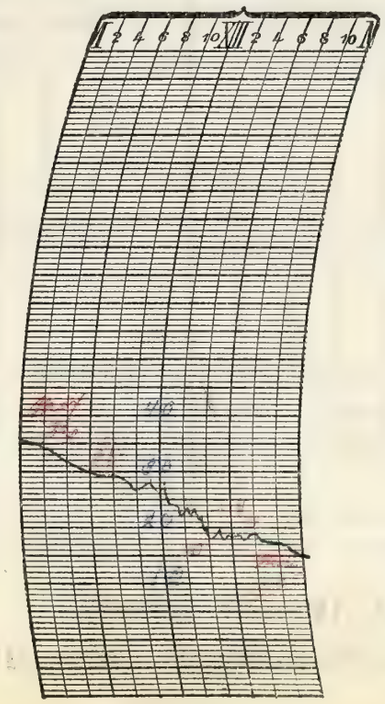
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by
Verified by T. McDonough

8—486

## NOTES.

Generally cloudy and cold, temperature falling steadily from the preceding night. Snow flurries occurred at intervals between 3:00 pm and 5:00 pm.

A cold wave warning was received at 9:00 am, and the information was disseminated in the usual way.

The cold wave predicted on the night of the 29th was fully verified

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) MAR 31 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 10 | 12 | 11 | 10 | 10 | 9 | 11 | 12 | 14 | 16 | 17 | 18 | 20 | 21 | 19 | 20 | 21 | 21 | 20 | 20 | 19 | 19 | 18 | 19 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | S 11:35 S 11:40 | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | Clear | | PA Cloudy | | | | Cloudy | | | | | | PA Cloudy | | | | | | Clear |
| Sunshine (in tenths of hours) | | | | | | .57 0 | 0.5 | 1.0 | 1.0 | 0.8 | 1.0 | 1.0 | 1.0 | 0.8 | 0.2 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | N | N | N | N | N | N | NW | N | N | NW | N | N | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | N |
| Wind movement | 2 | 11 | 9 | 12 | 10 | 8 | 7 | 10 | 10 | 10 | 11 | 13 | 12 | 11 | 8 | 8 | 8 | 7 | 5 | 5 | 4 | 3 | 2 | 3 |
| Maximum velocities (exceeding 22 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:26 Character, Clear
Moonrise: 5:18 a.m. Cloudy
Sunset: Time, 6:16 Character, Cloudy
Moonset: 11:37 a.m. Clear

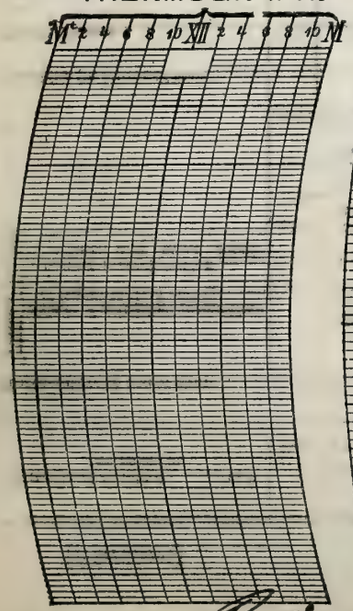
| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 21 | 9 | 15 | |

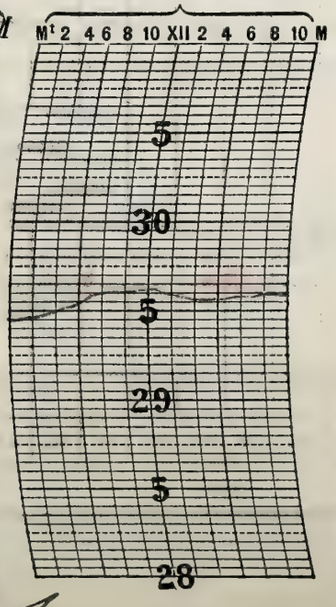
Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, PA Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 8.4 Possible sunshine, hours, 12.6
Per cent of possible sunshine, 67
Prevailing wind direction, NW Total wind 196
Average hourly velocity, 8.2 Extreme velocity, 15
Maximum velocity, 15 Direction, N
Time began, 3:47 a.m.
Reduced barometer, 30.50 7 a. m. 30.56 7 p. m.
River gage, 4.3 Fall
Relative humidity, 67 7 a. m. 70 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 18.8 Wet temperature, 16.0
Dew-point, 8 R. humidity, 57 V. pressure, 29.7
Clouds: Amount, 8; Kind, St Cu; Direction, W
Velocity of clouds (miles per hour)

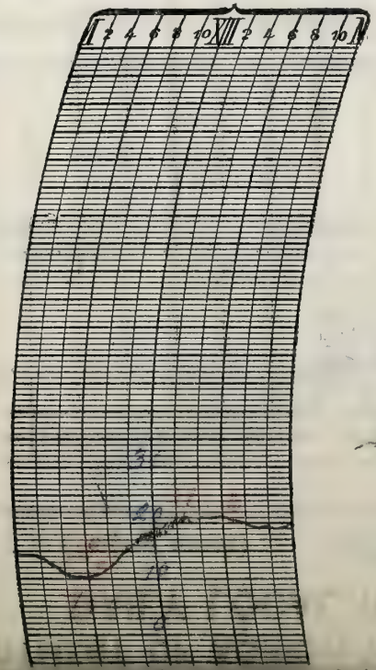
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by C. O. S. R. McDonough
Verified by

## NOTES.

The cold wave predicted the morning of the 30th was fully verified the temperature falling from a minimum of 29.9° to 8.9°.
A partly cloudy and windy day.
The sky became clear about 4:15 p.m. and the night was then resplendent with bright moonlight.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) APR - 1 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 18 | 18 | 18 | 19 | 19 | 19 | 11 | | 26 | 28 | 31 | 33 | 35 | 38 | 40 | 42 | 40 | 40 | | 39 | 38 | 38 | 38 | |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Pt. Cloudy | | | | → Cloudy | | | ← Cloudy | | | | | | | | | Pt. Cloudy → | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0.1 | 0.2 | 1.0 | 0.9 | 0.5 | 0.8 | 1.0 | 0.5 | 1.0 | 1.0 | 0.8 | | | | | | | |
| Wind direction | W | SW | SW | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S |
| Wind movement | 3 | 4 | 4 | 5 | 6 | 8 | 8 | 11 | 12 | 11 | 13 | 12 | 12 | 14 | 14 | 15 | 16 | | | | 10 | 9 | 12 | 15 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:24 A. Character, Cloudy. Moonrise: 6:32 P. Cloudy.

Sunset: Time, 6:06 P. Character, Cloudy. Moonset: 5:36 A. Cloudy.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 42 | 18 | 30 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt. Cloudy Moon phase, Full 7:40 a.

Average daily cloudiness (0-10),

Actual sunshine, hours, 8.3 Possible sunshine, hours, 12.7

Per cent of possible sunshine, 65

Prevailing wind direction, S Total wind 244

Average hourly velocity, 10.2 Extreme velocity, 20

Maximum velocity, 29 Direction,

Time began, 4:29 p.m.

Reduced barometer, 30.61 7 a. m. 30.39 7 p. m.

River gage, 4.0 feet.

Relative humidity, 71 7 a. m. 34 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

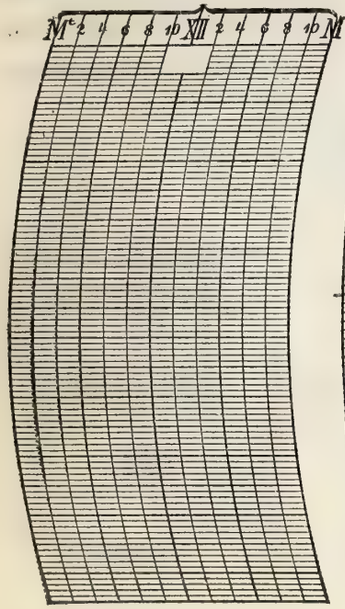
Dry temperature, 33.0 Wet temperature, 25.0

Dew-point, 3 R. humidity, 24 V. pressure, .044

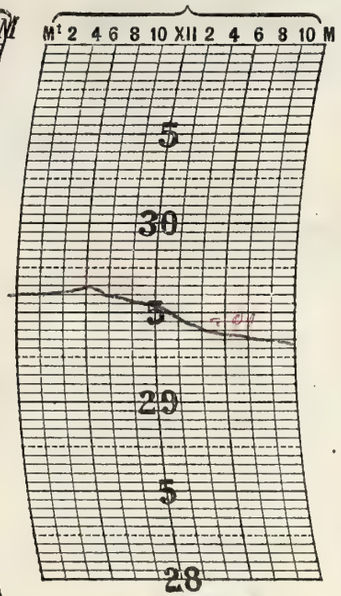
Clouds: Amount, 9; Kind, Cst.; Direction, NW.

Velocity of clouds (miles per hour)

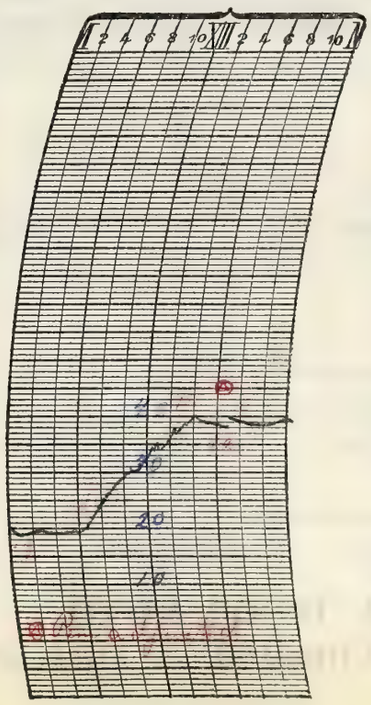
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by

Verified by C. McDonough

S—486

## NOTES.

Rolling fruit occurred this p.m.

The sky almost entirely cloudy until after sunset the temperature was fairly uniform. The clouds disappeared slightly in the early night and the moon shone through the haze in the south moderately bright.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) APR 2 1922, 192

Time (local standard). 75th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 38 | 38 | 38 | 39 | 40 | 40 | | 46 | 50 | 52 | 54 | 57 | 61 | 62 | 63 | 62 | 61 | 59 | 56 | 55 | 54 | 53 | 52 | 50 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | RB 12:40 RE 12:41 | | | | | | | | | RB 9:23 RE 9:37 | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | — | M | Cloudy | — | M | — | — | — | — | — | Cloudy | — | — | + | M | Cloudy | — | — | — |
| Sunrise: Time, 5:03 Character, Cloudy. Moonrise: 7:30 Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 6:03 Character, Cloudy. Moonset: 6:52 Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 0 | 0 | 0 | | | | | |
| Wind direction | S | S | SW | SW | SW | SW | SW | SW | SW | E | SE | | SW | SW | SW | SW | SW | SW | S | SW | SW | SW | SW | |
| Wind movement | 16 | 15 | 20 | 22 | 18 | 25 | 18 | 18 | 14 | 04 | 09 | 8 | 16 | 27 | 20 | 21 | 19 | 13 | | | 23 | 13 | 13 | 15 |
| Maximum velocities (exceeding ____ miles) direction and time | | | | | | | | | | | 25 | | 30 | 31 | 30 | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

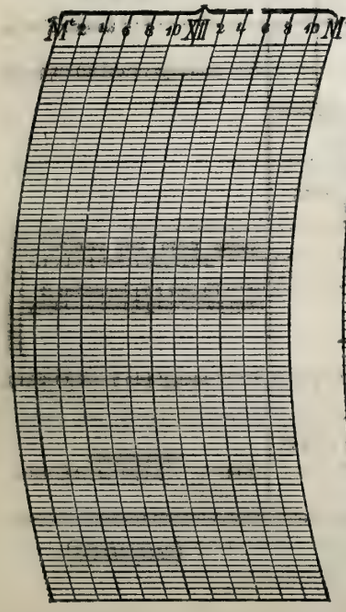
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 63 | 38 | 50 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0–10), 8
Actual sunshine, hours, 9.0 Possible sunshine, hours, 10.4
Per cent of possible sunshine, 91
Prevailing wind direction, SW Total wind, 444
Average hourly velocity, 18.5 Extreme velocity, 36
Maximum velocity, 31 Direction, SW
Time began, 11:45 am
Reduced barometer, 29.[illegible] a. m. 29.[illegible], p. m.
River gage, 3.2 feet.
Relative humidity, 72 a. m. 32 p. m.

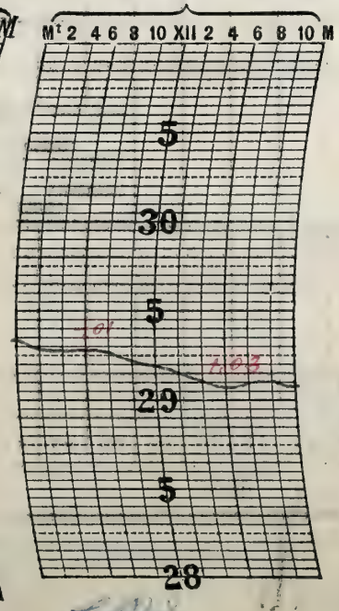
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 59.0 Wet temperature, 45.4
Dew-point, 29 R. humidity, 32 V. pressure, .157
Clouds: Amount, 8; Kind, Cist; Direction, N.W.
Velocity of clouds (miles per hour)

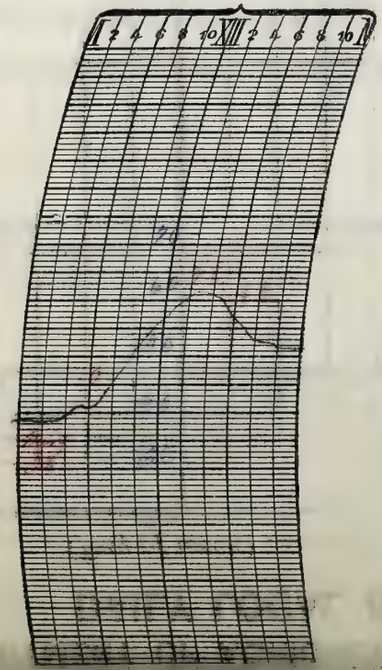
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by S. McDonough

## NOTES.

A solar halo of 22 degrees radius was observed from 9:15 a.m. until about 12:30 p.m.

The rain which fell for a minute commencing at 11:40 p.m. fell from a clear sky. Stratus type low rain clouds were visible.

A cloudy day with mild temperatures and moderate winds.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Tuesday, (Date) APR - 3 1923, 192

Time (local standard), 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 50 | 52 | 52 | 50 | 48 | 47 | 45 RE 6.28 | 47 | 48 | 48 | 49 | 50 | 52 | 54 | 55 | 55 | 56 | 55 | 50 | 47 RE 7.10 | 45 | 41 | 38 | 37 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | 0.3 in. | | | 1.9 9.15 | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | 2 | | Cloudy | | | | | | | Cloudy | | | | | | | | | |
| Sunrise: Time, 5:21 Character, Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 6:10 Character, Cloudy | | | |
| Moonrise: 8:39 p Cloudy | | | | | | | | | | | | | | | | | | | | | Moonset: 6:56 a Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | SW | SW | SW | SW | SW | S | S | S | S | SW | SW | SW | SW | SW | SW | SW | SW | W | NW | NW | W | NW | NW | W |
| Wind movement | 12 | 12 | 16 | 13 | 11 | 13 | 14 | 12 | 12 | 14 | 12 | 14 | 12 | 12 | 14 | 14 | 12 | 14 | 13 | 12 | 10 | 10 | 10 | 8 |
| Maximum velocities (exceeding 27 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

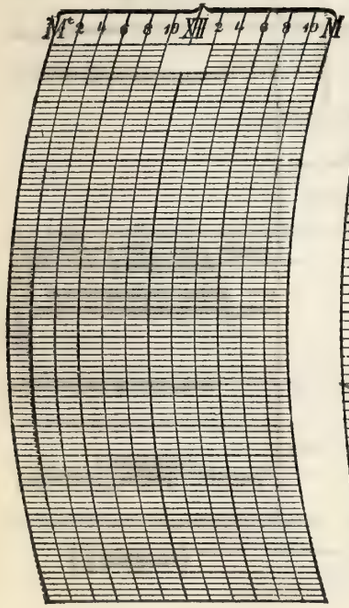
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 56 | 32 | 44 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .22 ins.
Total precipitation, midnight to midnight, .22 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 12.2
Per cent of possible sunshine, 0
Prevailing wind direction, SW Total wind 338
Average hourly velocity, 14.1 Extreme velocity, 23
Maximum velocity, 22 Direction, SW
Time began, 12:05 PM
Reduced barometer, 29.7 7 a. m. 29.89 7 p. m.
River gage, 3.8 Feet
Relative humidity, 90 7 a. m. 86 7 p. m.

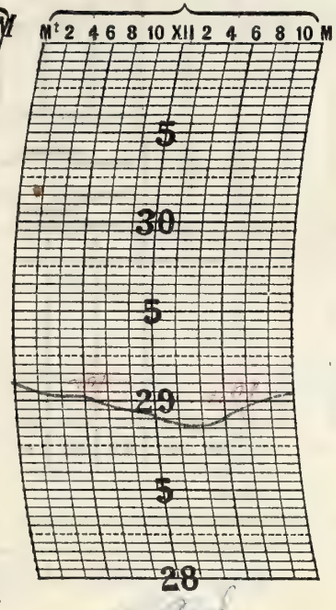
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 51.2 Wet temperature, 50.3
Dew-point, 49 R. humidity, 95 V. pressure, .347
Clouds: Amount, 10; Kind, Ns; Direction, S
Velocity of clouds (miles per hour)

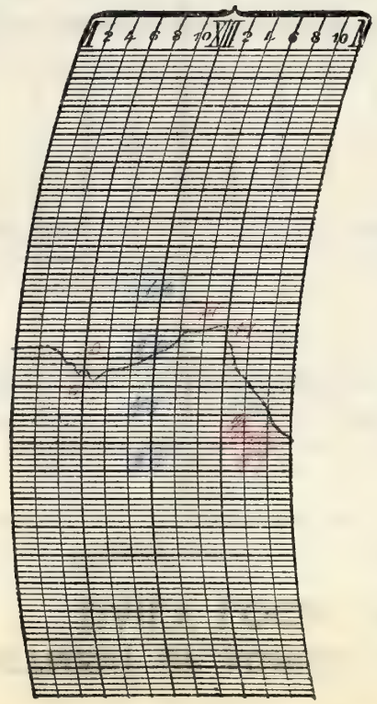
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by

Verified by C. McDonough

8—486

## NOTES.

Rain fell at short intervals throughout the day.
Mostly cloudy day with moderate temperature.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Reno Okla., (Day of week) Wednesday, (Date) APR - 4 1923, 192

Time (local standard). 90° mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 36 | 36 | 37 | 36 | 34 | 34 | 33 | 33 | 33 | 33 | 34 | 35 | 35 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 35 | 35 | 35 | 35 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | 11:46 | | | | | | | | 7:30 | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | Cloudy | | | | | | | | Cloudy | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | N | N | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | E | NE | NE | E | NE | NE | NE | NE | E | E |
| Wind movement | 4 | 0 | 10 | 12 | 13 | 14 | 13 | 14 | 11 | 9 | 8 | 12 | 11 | 11 | 12 | 10 | 9 | 8 | 7 | 6 | 10 | 8 | 7 | 6 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:19 Character, Cloudy
Moonrise: 10:08p Cloudy

Sunset: Time, 6:09 Character, Cloudy
Moonset: 7:41a Cloudy

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

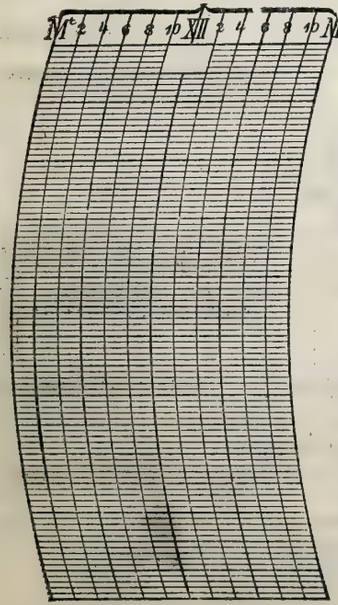
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 37 | 33 | 35 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., ? inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .18 ins.
Total precipitation, midnight to midnight, .18 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 12.8
Per cent of possible sunshine, 0
Prevailing wind direction, NE Total wind 205
Average hourly velocity, 8.5 Extreme velocity,
Maximum velocity, 18 Direction, NE
Time began, 8:10 a.m.
Reduced barometer, 30.03 7 a. m. 29.86 7 p. m.
River gage, 3.9 feet
Relative humidity, 96 7 a. m. 95 7 p. m.

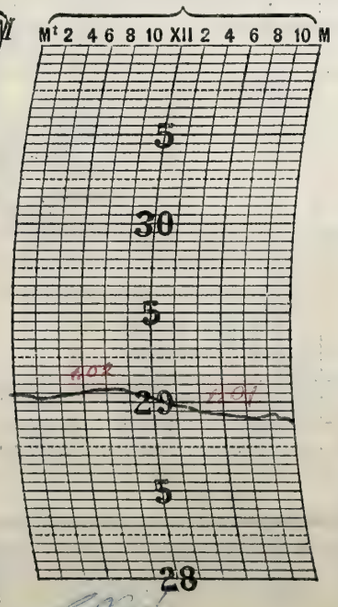
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 32.0 Wet temperature, 33.6
Dew-point, 31 R. humidity, 86 V. pressure, .192
Clouds: Amount, 10; Kind, St; Direction, NE
Velocity of clouds (miles per hour)

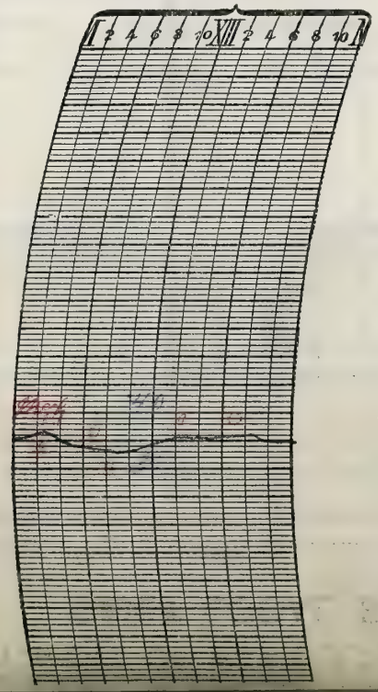
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by
Verified by P. McDonough

Estimated

NOTES.

St. Fog began - 7:00 a.m.
St. Fog ended - 10:22 a.m.
St. Fog began - 11:30 p.m.
St. Fog ended - 3:10 p.m.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) APR -5 1923, 192

Time (local standard), 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 35 | 36 | 34 | 34 | 33 | 33 | 33 | 33 | 32 | 34 | 35 | 36 | 36 | 34 | 35 | 37 | 41 | 41 | 41 | 37 | 36 | 35 | 33 | 32 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | Cloudy | | | | | | | Cloudy | | | | | Clear | | | | |
| Wind direction | E | | NE | NE | E | NE | NE | NE | NE | NE | NE | N | N | NW | NW | NW | NW | NW | NW | NW | NW | W | W | NW |
| Wind movement | | | | | | | | | | | | | | | | | | | | | | | | |
| Maximum velocities (exceeding ____ miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:17 Character, Cloudy
Moonrise: 11:12 D Clear
Sunset: Time, 6:00 Character, Clear
Moonset: 8:22a Cloudy

| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 6 | 6 | 5 | 5 | 5 | 0 | 0 | 0 | 0 | 0.5 | 0.4 | 0 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

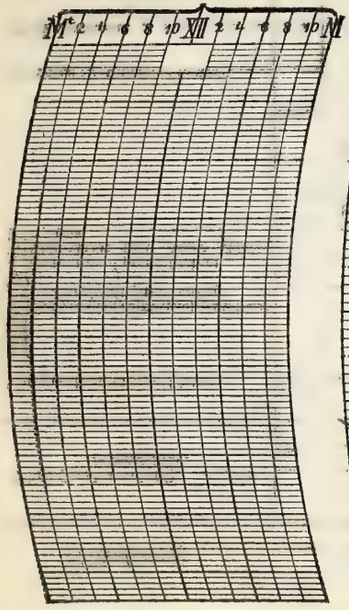
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 42 | 32 | 37 | |

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., 11 ins.; to 7 p. m., 40 ins.
Total precipitation, midnight to midnight, 51 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 1.7 Possible sunshine, hours, 10.9
Per cent of possible sunshine, 13
Prevailing wind direction, NW Total wind 260
Average hourly velocity, 10.8 Extreme velocity, 30
Maximum velocity, 34 Direction, NW
Time began, 8:45 a.m.
Reduced barometer, 29.69 7 a. m. 29.91 7, p. m.
River gage, 4.0 Fall
Relative humidity, 73 7 a. m. 76 7 p. m.

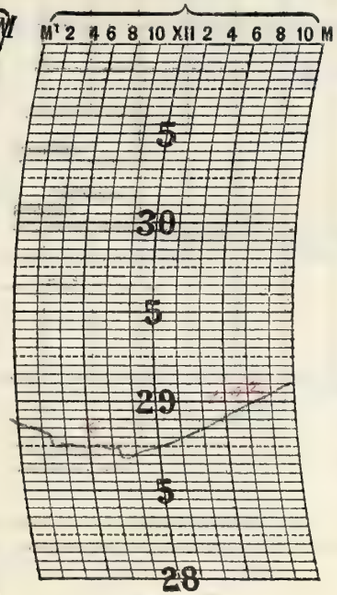
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 36.3 Wet temperature, 34.6
Dew-point, 32 R. humidity, 85 V. pressure, 180
Clouds: Amount, 10; Kind, St; Direction, NE
Velocity of clouds (miles per hour)

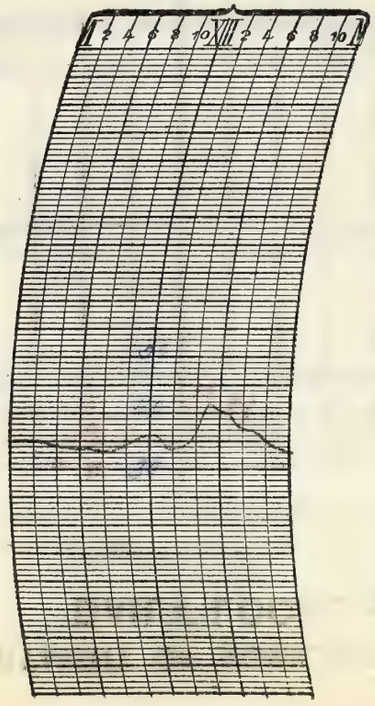
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by
Verified by C. McDonough

8—486

NOTES.

8 Estimated and melted as it fell
Cloudy until moderately cold
clear with a light fall snow
at the ends of the month

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) April 1, 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 32 | 32 | 31 | 28 | 28 | 29 | 31 | 35 | 44 | 44 | 49 | 51 | 54 | 56 | 57 | 58 | 57 | 55 | 53 | 51 | 49 | 46 | 44 | 44 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | Clear | | | | | | | Clear | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | .7 0 | 0.1 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.6 0 | 1.8 | | | | | |
| Wind direction | NW | NW | NW | W | W | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | | | | | |
| Wind movement | 6 | 5 | 4 | 6 | 6 | 9 | 8 | 7 | 9 | 10 | 13 | 14 | 15 | 15 | 15 | 14 | 15 | 12 | 10 | 12 | 14 | 13 | 11 | 10 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:16 Character, Clear

Moonrise: —

Sunset: Time, 6:11 Character, Clear

Moonset: 9:21 p Clear

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

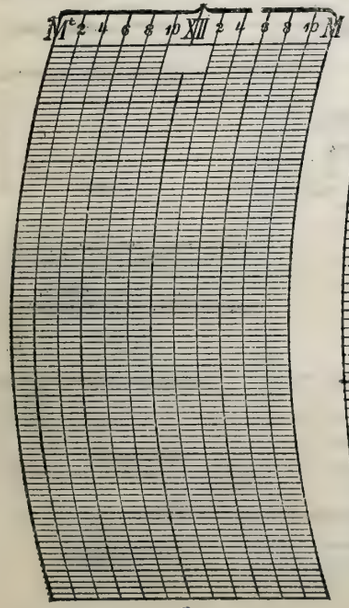
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 58 | 28 | 43 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 12.9 Possible sunshine, hours, 12.9
Per cent of possible sunshine, 100
Prevailing wind direction, SW Total wind 249
Average hourly velocity, 10.4 Extreme velocity, 22
Maximum velocity, 24 Direction, SW
Time began, 3:41 a
Reduced barometer, 30.16 7 a. m. 30.05 7 p. m.
River gage, 7.9 Feet
Relative humidity, 71 7 a. m. 45 7 p. m.

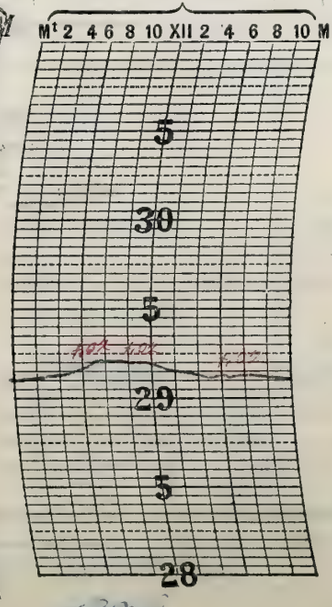
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 57.0 Wet temperature, 40.5
Dew-point, 26 R. humidity, 37 V. pressure, 1.86
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

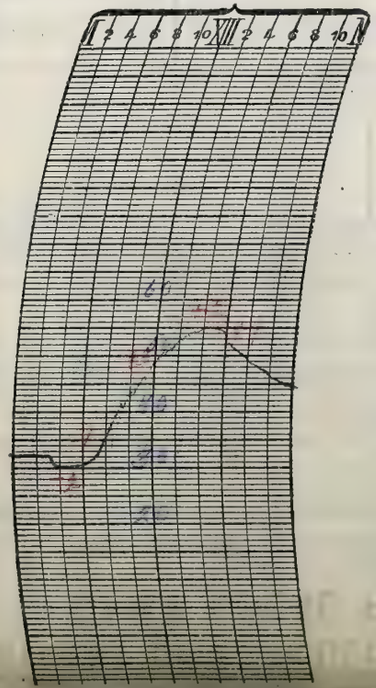
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by

Verified by

## NOTES.

Rolling fort covered this morning.
Special 12:00 noon (75th Meridian Time)
Observation called for Chicago.
It clear and mild about very
pleasant afternoon.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(*Station*) Fort Wayne, Ind., (*Day of week*) Saturday, (*Date*) APR - 7 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 44 | 44 | 43 | 43 | 42 | 43 | 46 | 49 | 54 | 59 | 60 | 6 | 62 | 63 | 66 | 68 | 66 | 64 RB 520 | 62 AE 630 | 61 | 61 | 62 | 61 | 48 R-3 1:07 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear → | | | | | | | Cloudy → | | | | | Cloudy → | | | | | | |
| Sunrise: Time, Character, 5:14 Clear. Moonrise: 12:07 a.m. | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 6:12 Cloudy. Moonset: 10:11 p.m. | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | 0 | 0 | | | | | |
| Wind direction | SW | S | S | SW | S | S | S | S | S | S | SW | S | S | S | S | S | SW | SW | SW | S | SW | SW | SW | W |
| Wind movement | 7 | 7 | 8 | 9 | 10 | 10 | 14 | 16 | 19 | 19 | 23 | 23 | 23 | 25 | 16 S S 2:23 | 25 | 21 | 21 40 SW 4:46 | 16 | 12 | 21 | 23 | 24 30 W 10:46 | 22 30 W 11:4 |
| Maximum velocities (exceeding 40 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 68 | 42 | 55 | ✓ |

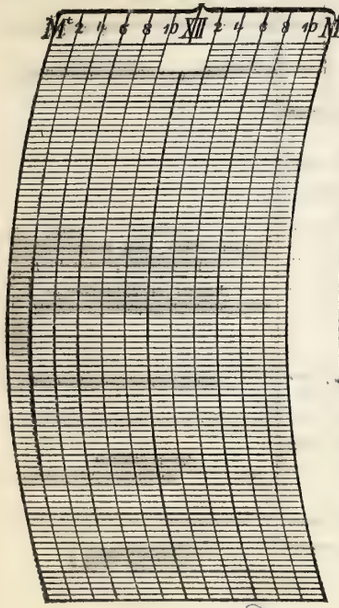
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Pt. Cloudy Moon phase, 4 9 11 23 0 ✓
Average daily cloudiness (0-10),
Actual sunshine, hours, 11.3 Possible sunshine, hours, 13.0 ✓
Per cent of possible sunshine, 88
Prevailing wind direction, S Total wind 432 ✓
Average hourly velocity, 12.9 Extreme velocity, 60
Maximum velocity, 40 Direction, SW
Time began, 5:46 a.m.
Reduced barometer, 29.97 7 a. m. 29.55 7 p. m.
River gage, 8.8 Feet
Relative humidity, 61 7 a. m. 50 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

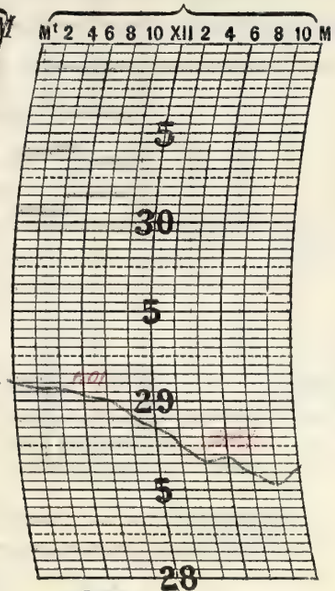
Dry temperature, 62.5 Wet temperature, 49.3
Dew-point, 36 R. humidity, 37 V. pressure, .211
Clouds: Amount, 9; Kind, A St.; Direction, SW
Velocity of clouds (miles per hour)

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

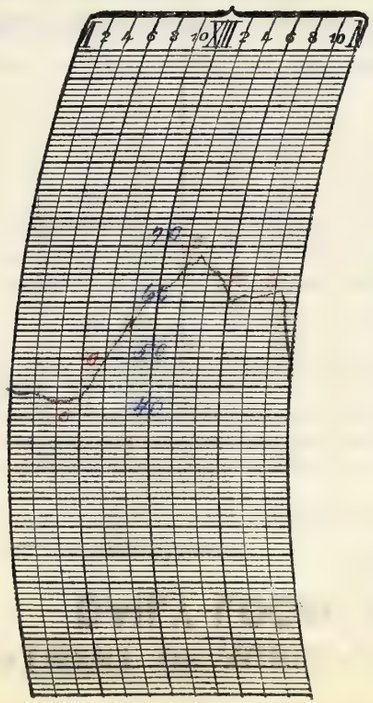
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by J
Verified by

8—486

## NOTES.

Estimated

A very light thunderstorm moving from the southeast began at 1:35 p.m., and ended at 1:42 p.m.

A pretty strong gale was raging on Lake Michigan most of the day.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) APR -3 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 29 | 36 | 32 | 30 | 28 | 28 | 27 | 28 | 24 | 24 | 30 | 32 | 34 | 35 | 37 | 37 | 36 | 35 | 34 | 33 | 32 | 32 | 32 | 32 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | Cloudy | | | | | | | Cloudy | | | | | | | | | | | |
| Sunrise: Time, 6:13 Character, Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 6:13 Character, Cloudy | | | |
| Moonrise: 10:00 | | | | | | | | | | | | | | | | | | | | | Moonset: 11:44 a Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.3 | 0 | | | | | |
| Wind direction | W | W | W | W | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW |
| Wind movement | 16 | 22 | 22 | 21 | 22 | 22 | 19 | 17 | 18 | 17 | 19 | 18 | 16 | 18 | 18 | 15 | 16 | 14 | 6 | 4 | 3 | 3 | 1 | 2 |
| Maximum velocities (exceeding 25 miles) direction and time | 30 W 12:15 | 38 W 1:46 | 38 W 2:10 | 36 W 3:00 | 33 NW 4:00 | | | | | | | | | | | | | | | | | | | |

| | Total duration. | | Total amount of precipitation. | Excessive rate. | | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | From— | To— | | Began— | Ended— | | 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | |

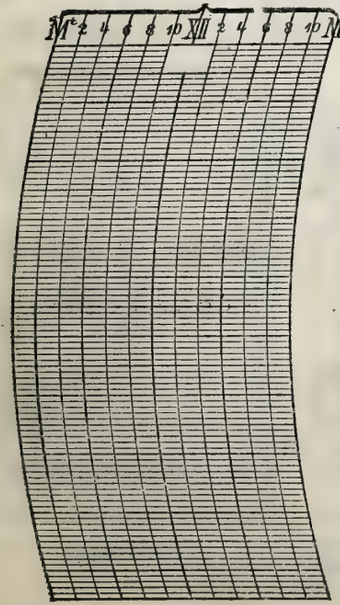
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 48 | 27 | 38 | |

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 1 inches.
Total snowfall, midnight to midnight, ____ inches.
Precipitation to 7 a. m., .04 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .04 inches.
Character of day, Cloudy Moon phase, ____
Average daily cloudiness (0–10), 8
Actual sunshine, hours, 6.1 Possible sunshine, hours, 13.0
Per cent of possible sunshine, 47
Prevailing wind direction, NW Total wind 973
Average hourly velocity, 16.2 Extreme velocity, 38
Maximum velocity, 38 Direction, W
Time began, 1:46 a m
Reduced barometer, 29.87 a. m. 29.85 p. m.
River gage, 8.0 Fall
Relative humidity, 76 a. m. 40 p. m.

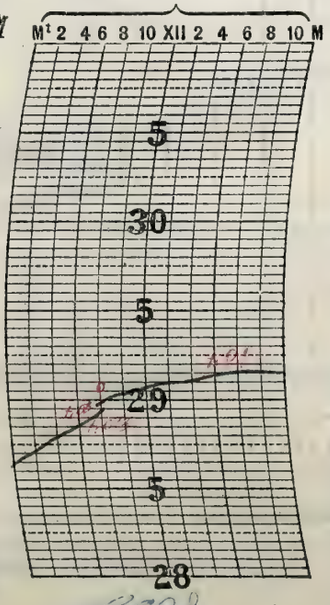
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 31.0 Wet temperature, 28.0
Dew-point, 23 R. humidity, 69 V. pressure, .11
Clouds: Amount, 9; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

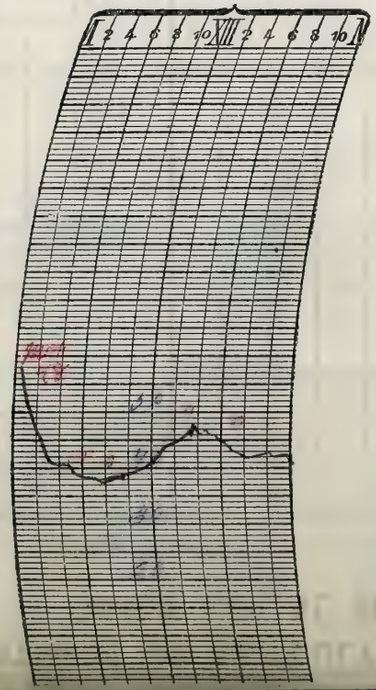
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by ____
Verified by ____

NOTES.

Estimated

A cloudy cool rainy cold
raw day. Consumption unpleasant
It is all alone in the morning

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Monday, (Date) APR – 2 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 31 | 31 | 30 | 27 | 28 | 29 | 32 | 34 | 38 | 41 | 41 | 43 | 44 | 44 | 43 | 40 | 39 | 37 | 36 | 35 | 35 | 36 | 36 | 35 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | SnB 2:01 SnE 2:10 | | | RB 5:54 | | RE 7:12 | | RB 9:54 RE 10:10 | | |
| Amounts of precipitation | | | | | | | | | | | | | | | – | | | – | – | – | | – | | |
| Cloudiness and other conditions | | | | | | ← Clear → | | | | | | | ← Cloudy → | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0.2 | 1.0 | 1.0 | 1.0 | 0.7 | 0 | 0.9 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Wind direction | NW | NW | NW | N | NE | NE | SE | SE | S | SW | W | W | W | W | SW | SW | SW | SW | S | SE | SE | SE | SE | SE |
| Wind movement | 2 | 2 | 1 | 1 | 1 | 2 | 3 | 6 | 8 | 7 | 10 | 8 | 9 | 8 | 10 | 8 | 2 | 2 | 2 | 3 | 4 | 5 | 4 | 5 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:11 Character, Cloudy
Moonrise: 11:44a Character, 1

Sunset: Time, 6:14 Character, Cloudy
Moonset: 12:23a Cloudy

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

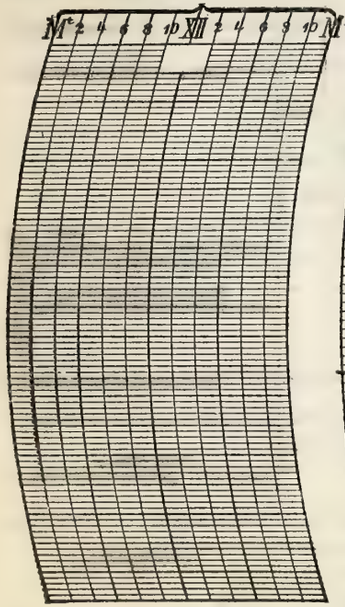
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 44 | 28 | 36 | – |

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0–10), 6
Actual sunshine, hours, 6.0 Possible sunshine, hours, 13.0
Per cent of possible sunshine, 46
Prevailing wind direction, SE Total wind 126
Average hourly velocity, 5.2 Extreme velocity, 18
Maximum velocity, 13 Direction, SE
Time began, 2:10 a.m.
Reduced barometer, 29.12 7 a. m. 29.06 7 p. m.
River gage, 7.5 Feet
Relative humidity, 72 7 a. m. 93 7 p. m.

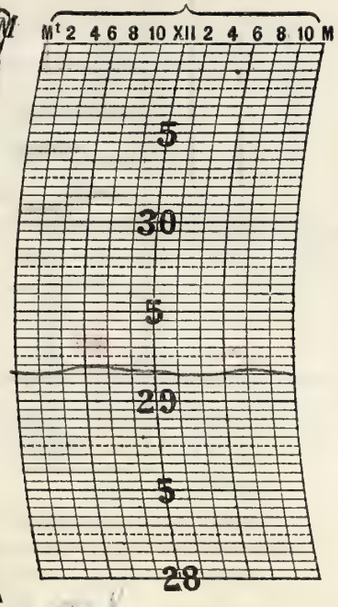
### OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 44.8 Wet temperature, 37.9
Dew-point, 29 R. humidity, 52 V. pressure, 0.17
Clouds: Amount, 7; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

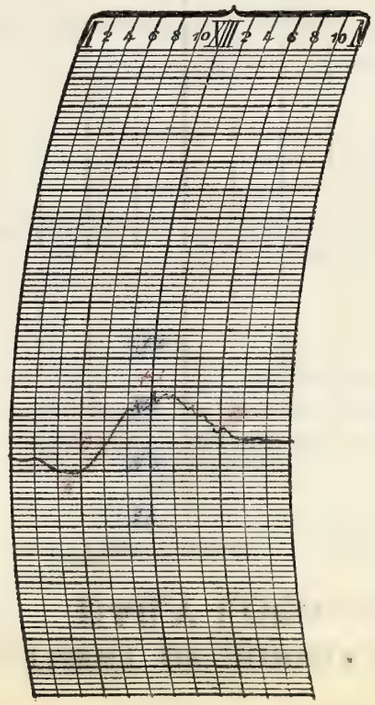
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by
Verified by

8–486

## NOTES.

At first Clear day and moderately cold days

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) APR 10 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 37 | 37 | 36 | 36 | 37 | 36 | 36 | 35 | 37 | 38 | 41 | 42 | 43 | 46 | 48 | 50 | 50 | 50 | 48 | 45 | 46 | 45 | 44 | 43 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Cloudy | | | | | | Pt. Cloudy | | | | Clear | | | | | | | |
| Sunrise: Time, 5:09 Character, Cloudy. Moonrise: 2:12 | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 6:15 Character, Clear. Moonset: 1:00 Character, Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0.2 | 0.6 | | | 1.0 | 1.0 | 1.0 | 1.0 | 0.2 | 0.5 | | | | | | |
| Wind direction | S | S | S | SW | SW | SW | W | W | W | W | NW | NW | NW | W | NW | W | W | W | SW | SW | S | S | S | S |
| Wind movement | 7 | 8 | 8 | 10 | 12 | 11 | 11 | 13 | 15 | 11 | 16 | 16 | 15 | 16 | 16 | 13 | 9 | 8 | 6 | 6 | 9 | 11 | 11 | 12 |
| Maximum velocities (exceeding 25 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

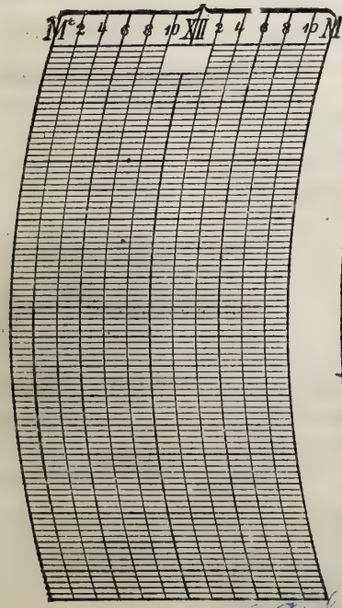
| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 51 | 35 | 43 | |

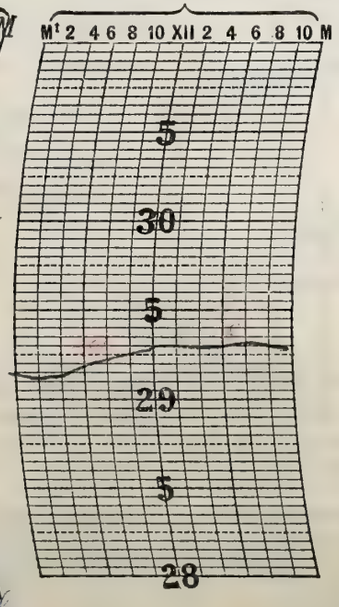
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 9.2 Possible sunshine, hours, 13.1
Per cent of possible sunshine, 70
Prevailing wind direction, W Total wind 2[illegible]
Average hourly velocity, 11.5 Extreme velocity, 25
Maximum velocity, 20 Direction, NW
Time began, 1:15 p. m.
Reduced barometer, 30.13 7 a. m. 30.25 7, p. m.
River gage, 4.0 Rising
Relative humidity, 84 7 a. m. 45 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 42.0 Wet temperature, 36.0
Dew-point, 28 R. humidity, 55 V. pressure, 250
Clouds: Amount, 5; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

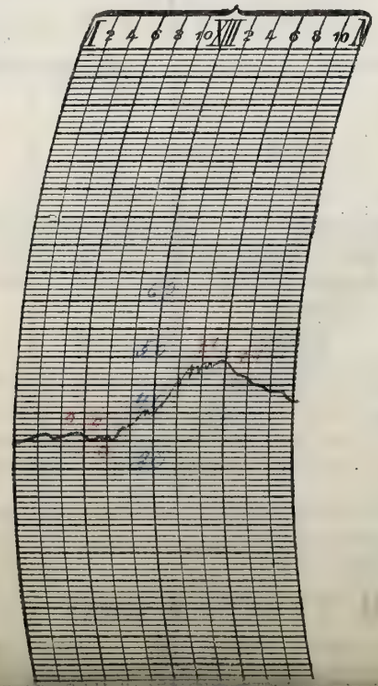
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by [illegible]

Verified by

NOTES.

A partly Cloudy day with strong Northwesterly winds

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(*Station*) Fort Wayne, Ind., (*Day of week*) Wednesday, (*Date*) APR 1 1908, 192

| Time (local standard) 90th mer. normal time. | A. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 43 | 43 | 42 | 43 | 42 | 42 | 42 | 44 | 51 | 53 | 54 | 55 | 56 | 56 | 54 | 46 | 42 | 40 | 40 | 39 | 34 | 34 | 36 | 36 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | RB 10.39 AE 10.55 | | RB 12.50 | AE 1.05 | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | — | — | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | — | | Cloudy | | | | | Cloudy | | Pt. Cloudy | | | | Cloudy | | | | | |
| Sunrise: Time, Character, 5:08 Cloudy. Moonrise: 6:15 | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 6:— Cloudy. Moonset: 2:— Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.5 | 0.6 | 1.0 | 1.0 | 0.1 | 0 | 0 | | | | | |
| Wind direction | S | S | S | S | SW | SW | SW | SW | SW | SW | SW | SW | W | W | NW | N | N | N | N | N | N | N | NE | NE |
| Wind movement | 13 | 13 | 14 | 15 | 15 | 15 | 18 | 18 | 20 | 19 | 21 | 17 | 19 | 15 | 21 | 18 | 16 | 11 | 9 | 9 | 8 | 8 | 8 | 11 |
| Maximum velocities (exceeding 19 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

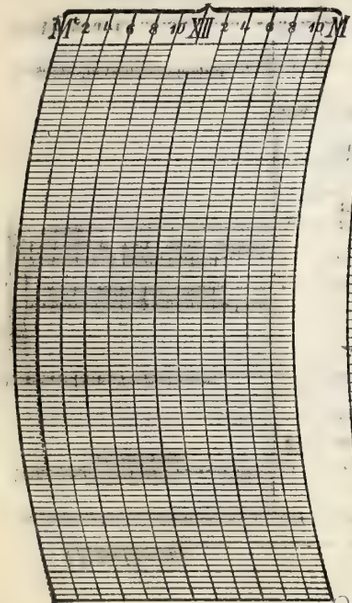
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 58 | 34 | 46 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 3.3 Possible sunshine, hours, 13.1
Per cent of possible sunshine, 25
Prevailing wind direction, SW. Total wind 342
Average hourly velocity, 14.5 Extreme velocity, 32
Maximum velocity, 28 Direction, W.
Time began,
Reduced barometer, 30.10 7 a. m. 30.23 7 p. m.
River gage, 6.3 Feet.
Relative humidity, 48 7 a. m. 63 7 p. m.

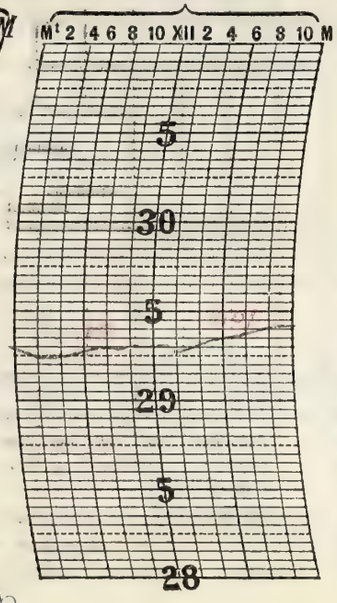
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 52.0 Wet temperature, 46.6
Dew-point, 34 R. humidity, 63 V. pressure, 29.8
Clouds: Amount, 10; Kind, St.; Direction, W.
Velocity of clouds (miles per hour)

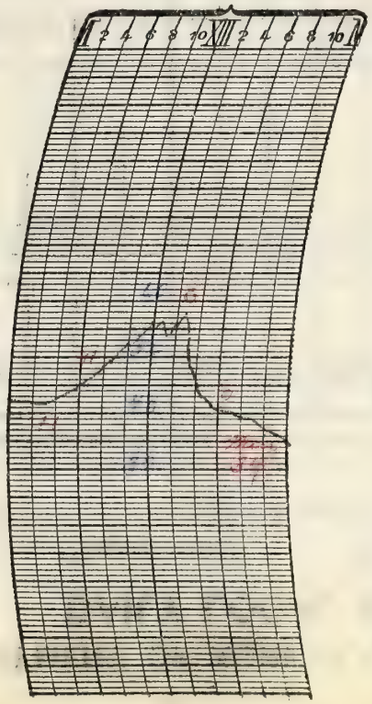
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



*Prepared by* C. D. S.

*Verified by*

8-486

## NOTES.

A cloudy day with moderate temperature

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) ____, (Date) APR 17 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 32 | 31 | 30 | 30 | 29 | 28 | 31 | 34 | 39 | 41 | 48 | 57 | 59 | 61 | 63 | 64 | 62 | 59 | 58 | 54 | 53 | 51 | 50 | 50 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | Clear | | | → | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | .9 0 | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.5 | 0 | 0 | | | | | |
| Wind direction | NE | E | E | E | E | E | E | E | SE | SE | SE | SE | S | S | S | S | SW | S | NE | NE | NE | E | E | E |
| Wind movement | 10 | 8 | 9 | 11 | 11 | 10 | 8 | 9 | 6 | 6 | 6 | 5 | 4 | 5 | 4 | 3 | 3 | 3 | 6 | 6 | 6 | 7 | 7 | 8 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:06 Character, Clear
Moonrise: 2:32a
Sunset: Time, 6:17 Character, Cloudy
Moonset: 3:06p Cloudy

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

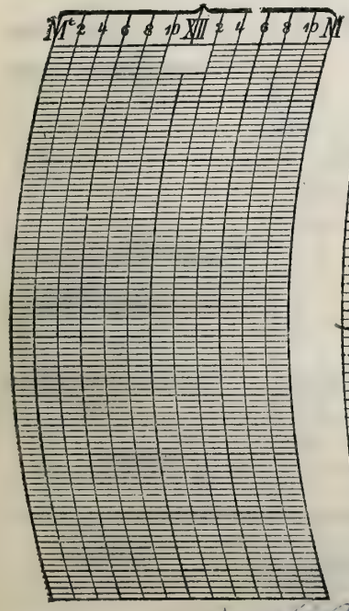
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 64 | 28 | 46 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0–10), 4
Actual sunshine, hours, 11.2 Possible sunshine, hours, 13.2
Per cent of possible sunshine, 85
Prevailing wind direction, E Total wind 160
Average hourly velocity, 6.7 Extreme velocity, 12
Maximum velocity, 13 Direction, E
Time began, 2:52 a m
Reduced barometer, 30.34 7 a. m. 30.06 7 p. m.
River gage, 5.4 Feet
Relative humidity, 75 7 a. m. 56 7 p. m.

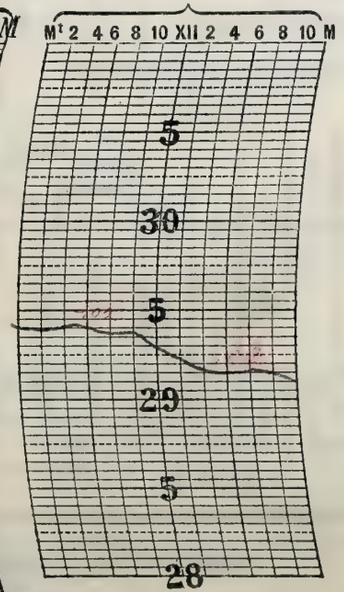
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 57.8 Wet temperature, 44.8
Dew-point, 35 R. humidity, 53 V. pressure, 20.3
Clouds: Amount, 3; Kind, Ci; Direction, NW.
Velocity of clouds (miles per hour)

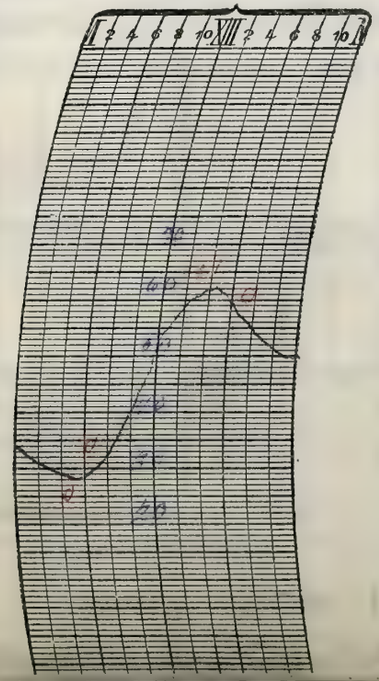
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



NOTES.

A cloudy cloudy day with increasing temperature.
Killing frost occurred this morning

Prepared by [illegible]
Verified by

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) _____, (Date) APR 1 1922, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 50 | 47 | 46 | 47 | 46 | 46 | 43 | 43 | 44 | 46 | 46 | 46 | 45 | 44 | 44 | 43 | 41 | 40 | 40 | 38 | 37 | 36 | 34 | 33 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | Cloudy | | | | | | Cloudy | | | | | | | | | → |

Sunrise: Time, 5:25 Character, Cloudy
Moonrise: 4:22a

Sunset: Time, 6:5[illegible] Character, Cloudy
Moonset: 4:05p Cloudy

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | E | E | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE |
| Wind movement | 8 | 8 | 9 | 12 | 14 | 17 | 18 | 18 | 19 | 15 | 19 | 21 | 24 | 24 | 22 | 23 | 26 | 25 | 23 | 22 | 26 | 26 | 26 | 23 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | 31 NE 7:42 | 30 NE 8:37 | 30 NE 9:48 | 31 NE 10:24 | |

| Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

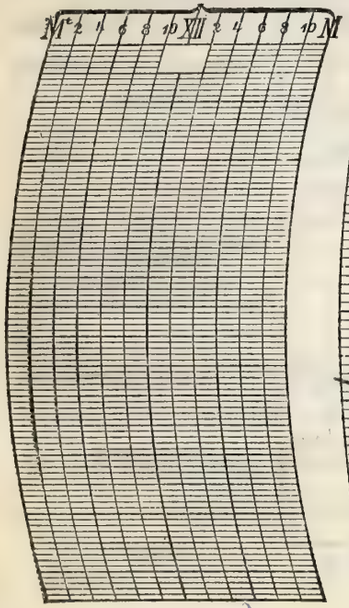
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 50 | 33 | 42 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase, _____
Average daily cloudiness (0–10), 10
Actual sunshine, hours, 0.3 Possible sunshine, hours, 13.2
Per cent of possible sunshine, 2
Prevailing wind direction, NE Total wind 408
Average hourly velocity, 17.0 Extreme velocity, 34
Maximum velocity, 31 Direction, NE
Time began, 7:42 p.m.
Reduced barometer, 29.25 7 a. m. 29.04 7, p. m.
River gage, 4.9 Fall
Relative humidity, 62 7 a. m. 66 7 p. m.

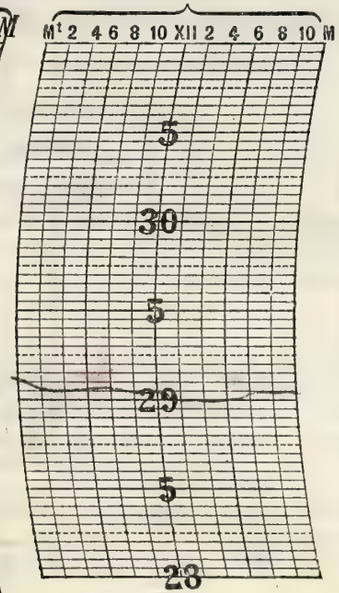
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 45.9 Wet temperature, 39.9
Dew-point, 32 R. humidity, 59 V. pressure, 180
Clouds: Amount, 10; Kind, St; Direction, E
Velocity of clouds (miles per hour)

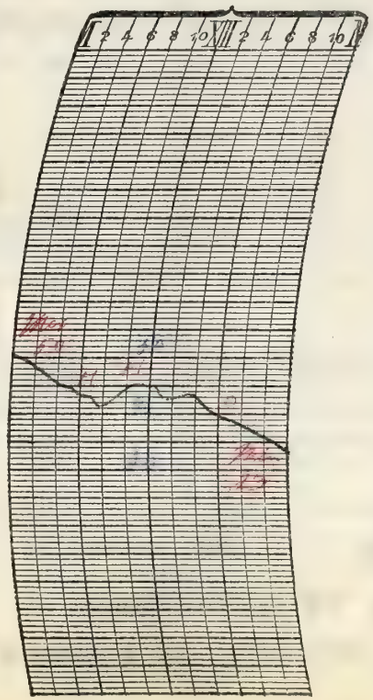
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by _____
Verified by _____

8—488

## NOTES.

A cloudy and moderately cool day. The precipitation was very heavy.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) _____, (Date) _____, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 33 | 32 | 32 | 31 | 31 | 31 | 31 | 34 | 35 | 36 | 36 | 36 | 36 | 36 | 35 | 35 | 34 | 34 | 33 | 34 | 34 | 33 | 33 | 33 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | 9:45 | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Cloudiness and other conditions | | | | | | | | Cloudy | | | | | | | | | Cloudy | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | S | |
| Wind movement | 14 | 25 | 22 | 26 | 20 | 24 | 23 | 22 | 25 | 23 | 23 | 22 | 20 | 16 | 14 | 13 | 12 | 10 | 5 | 6 | 4 | 2 | 0 | |
| Maximum velocities (exceeding 12 miles) direction and time | | | | | | | | | | 32 NE 9:25 | | | | | | | | | | | | | | |

Sunrise: Time, 5:03 Character, Cloudy
Moonrise: 4:29a

Sunset: Time, 6:19 Character, Cloudy
Moonset: 4:52p Cloudy

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

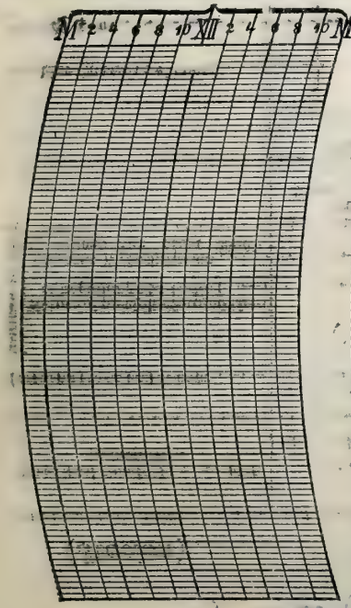
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 36 | 30 | 33 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .10 ins.
Total precipitation, midnight to midnight, .10 inches.
Character of day, Cloudy Moon phase, _____
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 12.3
Per cent of possible sunshine, 0
Prevailing wind direction, NE Total wind 402
Average hourly velocity, 17.0 Extreme velocity, 32
Maximum velocity, 32 Direction, NE
Time began, 9:25 a.m.
Reduced barometer, 29.93 7 a. m. 29.85 7 p. m.
River gage, 4.5 feet
Relative humidity, 68 7 a. m. 100 7 p. m.

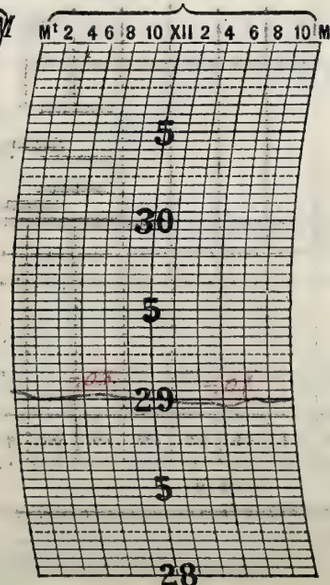
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 34.0 Wet temperature, 33.8
Dew-point, 28 R. humidity, 71 V. pressure, .165
Clouds: Amount, 10; Kind, Nb; Direction, E
Velocity of clouds (miles per hour)

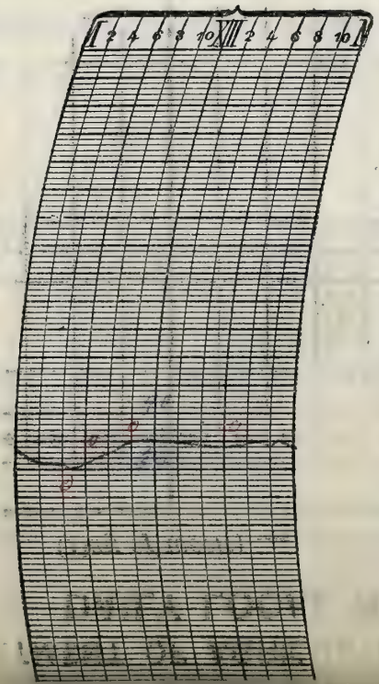
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by _____
Verified by _____

NOTES.

4 Estimated.

Cloudy and cool day with a light rain during forenoon. Thunder was heard to the southeast and a fine drizzling rain at night.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) APR 1 1923, 192

Time (local standard), 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 34 | 34 | 34 | 35 | 36 | 36 | 38 | 41 | 42 | 45 | 44 | 42 | 42 | 42 | 42 | 40 | 40 | 40 | 38 | 37 | 36 | 36 | 35 | 34 |
| State of weather: Nature of precipitation and time of beginning and ending | | | RE DVH | | | | | | | | | | | | | RB 3:00 | RE 4:30 | | | | RB 8:01 AE 8:09 RHB 9:07 RE 9:27 | | | | 8:18 DVH |
| State of weather: Amounts of precipitation | — | — | — | | | | | | | | | | | | | — | — | | | | — | — | — | — |
| State of weather: Cloudiness and other conditions | | | | | | ← | | | Cloudy | | | | | | | Cloudy | | | | | | | | → |
| Sunrise: Time, Character; Moonrise: | 5:02 Cloudy; 4:58a Cloudy | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character; Moonset: | 6:20 Cloudy; 5:55p Cloudy | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0.2 | 0.2 | 0.8 | 0.7 | 0.7 | 0 | 0.1 | all | 0 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | SW | SW | SW | SW | S | S | S | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | NW | W | SW | SW |
| Wind movement | 14 | 14 | 15 | 16 | 16 | 15 | 19 | 24 | 27 | 27 | 24 | 21 | 19 | 24 | 23 | 19 | 16 | 14 | 16 | 16 | 14 | 12 | 4 | 2 |
| Maximum velocities (exceeding 20 miles) direction and time | | | | | | | | | 35 SW 8:12 | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

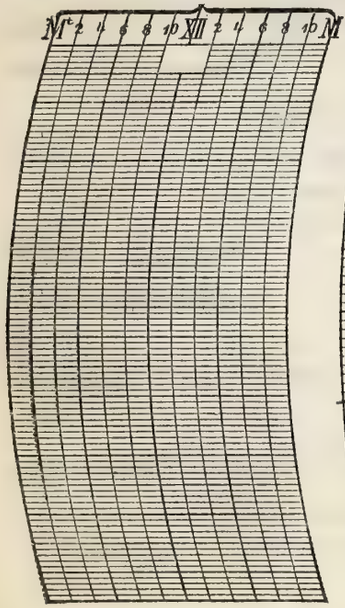
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 44 | 33 | 37 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., .02 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 1.8 Possible sunshine, hours, 13.3
Per cent of possible sunshine, 14
Prevailing wind direction, SW Total wind 420
Average hourly velocity, 17.5 Extreme velocity, 38
Maximum velocity, 35 Direction, SW
Time began, 8:30 a.m.
Reduced barometer, 29.89 7 a. m. 29.95 7 p. m.
River gage, 4.3 Feet
Relative humidity, 83 7 a. m. 76 7 p. m.

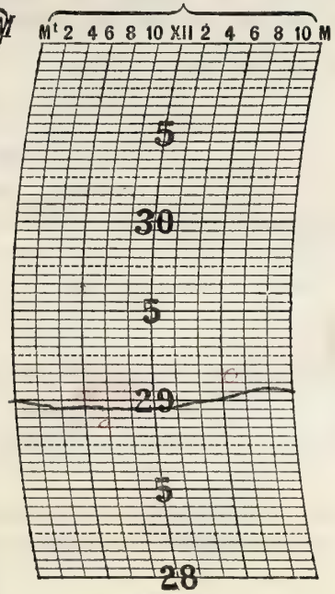
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 43.0 Wet temperature, 38.0
Dew-point, 31 R. humidity, 63 V. pressure, 172
Clouds: Amount, 10; Kind, St Cu; Direction, SW
Velocity of clouds (miles per hour)

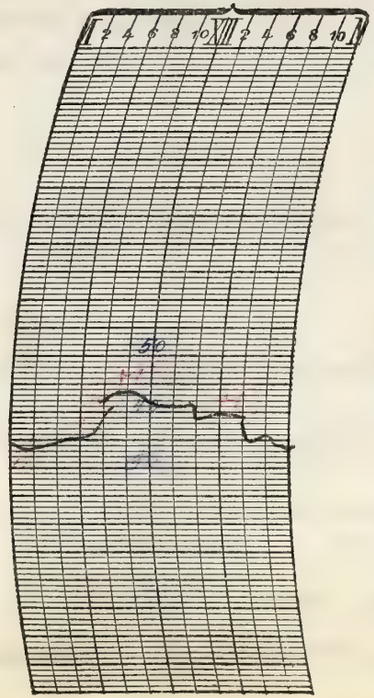
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by

Verified by

8—486

Estimated.

## NOTES.

A cloudy and cool day with occasional very light rains. A trace of sleet and a trace of snow occurred during the night. The structural steel work on the First National Bank building, which was completed yesterday, apparently causes some interference slightly affecting the wind-vane as compared with the smoke from surrounding chimneys.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) _____, (Day of week) Monday, (Date) APR 16 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 33 | 33 | 32 | 32 | 32 | 32 | 33 | 36 | 38 | 40 | 44 | 43 | 46 | 47 | 46 | 45 | 44 | 41 | 44 | 41 | 40 | 39 | 37 | 36 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | R13 0723 RB 1127 | | | RB 1130 RE 1143 | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | — | | | — | | | |
| Cloudiness and other conditions | | | | | | ← Clear | | | | | | | → Pt. Cloudy → | | | | | Cloudy | | | | | | |
| Sunrise: Time, Character, 5:00 Clear. Moonrise: 5:22m Clear | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:41 Cloudy. Moonset: 4:57 PM Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0.3 | 1.0 | 1.0 | 1.0 | 1.0 | | 1.0 | 1.0 | 0.9 | 0.2 | 0 | 0 | | | | | | |
| Wind direction | SW | SW | SW | SW | SW | W | W | W | NW | NW | NW | | WNW | NW | W | W | NW | W | W | NW | NW | N | W | NW |
| Wind movement | 8 | 9 | 7 | 6 | 6 | 5 | 6 | 7 | 9 | 10 | 10 | | 14 | 14 | 13 | 12 | 14 | 8 | 6 | 6 | 9 | 5 | 5 | 4 |
| Maximum velocities (exceeding 20 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

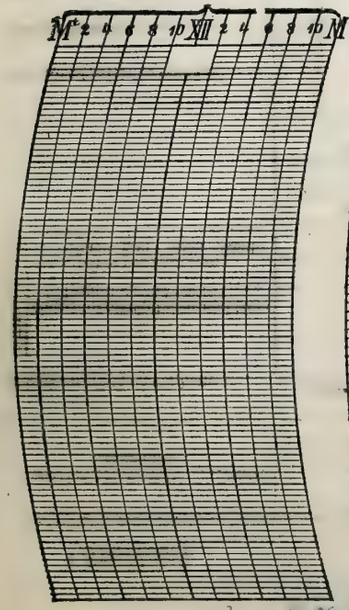
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 49 | 32 | 40 | |

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy. Moon phase, New 11:28 a m
Average daily cloudiness (0–10), 6
Actual sunshine, hours, 8.4 Possible sunshine, hours, 13.8
Per cent of possible sunshine, 61
Prevailing wind direction, NW Total wind 205
Average hourly velocity, 8.5 Extreme velocity, 18
Maximum velocity, 18 Direction, NW
Time began, 4:03 p m.
Reduced barometer, 7 a. m. 29.06 7 p. m.
River gage, 4.15 ft
Relative humidity, 86 7 a. m. 49 7 p. m.

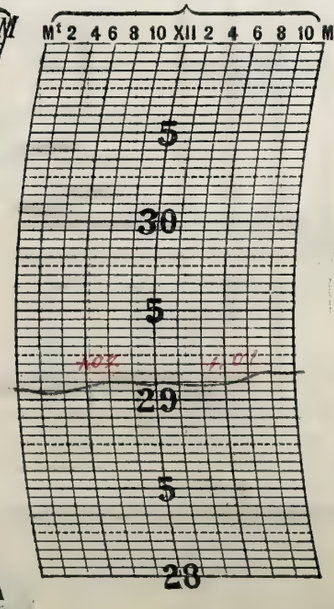
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 44.8 Wet temperature, 34.0
Dew-point, 15 R. humidity, 27 V. pressure, .081
Clouds: Amount, 3; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

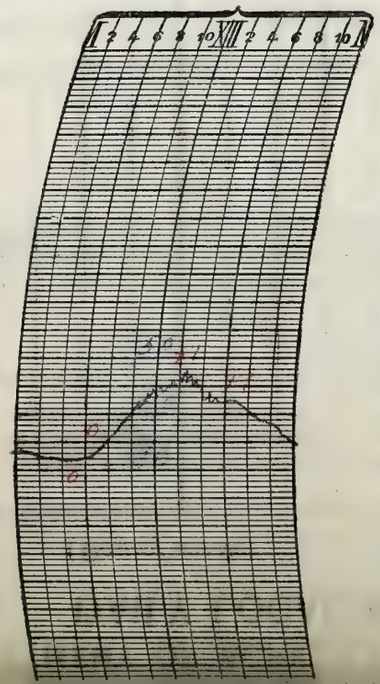
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by _____
Verified by _____

## NOTES.

Rolling frost occurred this morning
a partly cloudy day on the moderately
cool temperatures

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) _____, (Date) _____, 192

Time (local standard). 90° mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 35 | 34 | 33 | 34 | 35 | 32 | 35 | 41 | 42 | 43 | 44 | 44 | 44 | 45 | 47 | 46 | 45 | 44 | 43 | 39 | 37 | 37 | 36 | 35 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Cloudy | | | | × Pt. Cloudy | | | | | | × Clear | | | | | × Pt. Cloudy | | | |
| | Sunrise: Time, 4:58 Character, Cloudy. Moonrise: 5:29 a Cloudy | | | | | | | | | | | | | | | | | | | | Sunset: Time, 6:23 Character, Cloudy. Moonset: 3:49 p Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.2 | 0 | 0 | | | | | |
| Wind direction | NW | NW | NW | NW | NW | NW | N | NE | E | NE | NE | E | NW | N | N | NW | NW | NW | NW | NW | NW | NW | NW | W |
| Wind movement | 4 | 3 | 4 | 2 | 2 | 4 | 5 | 6 | 5 | 7 | 7 | 8 | 10 | 11 | 10 | 8 | 10 | 8 | 9 | 9 | 8 | 6 | 4 | 5 |
| Maximum velocities (exceeding 25 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

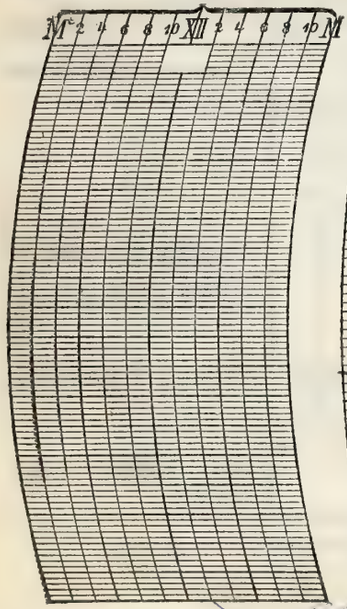
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 47 | 32 | 40 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy Moon phase, _____
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 10.2 Possible sunshine, hours, 13.4
Per cent of possible sunshine, 80
Prevailing wind direction, NW Total wind 455
Average hourly velocity, 6.5 Extreme velocity, 15
Maximum velocity, 13 Direction, NW
Time began, 1:11 p.m.
Reduced barometer, 30.12 7 a. m. 30.11 7 p. m.
River gage, 4.2 Feet
Relative humidity, 53 7 a. m. 44 7 p. m.

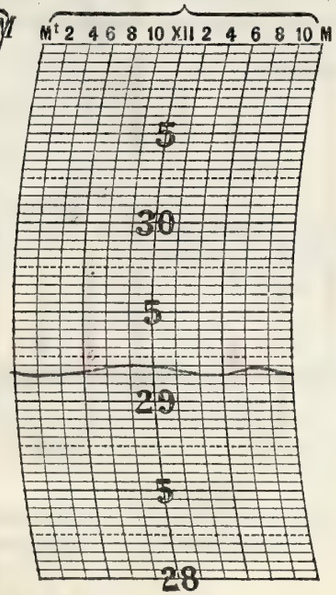
### OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 43.8 Wet temperature, 39.7
Dew-point, 34 R. humidity, 73 V. pressure, 12.4
Clouds: Amount, 7; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

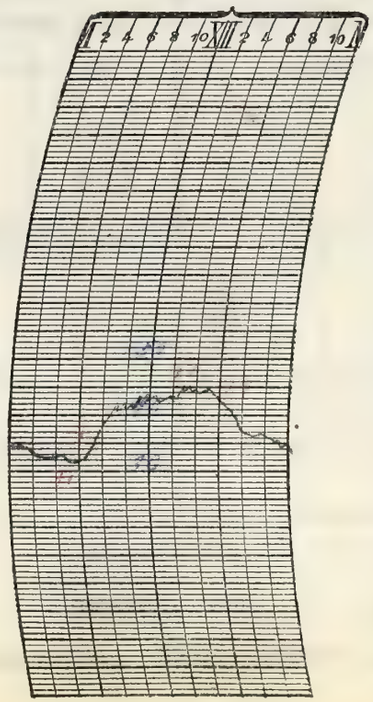
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by _____

Verified by _____

8—486

## NOTES.

Killing frost occurred this morning
a Killing frost during last week of
March, making temperature most
of the time, pleasant and warm.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 34 | 34 | 33 | 34 | 38 | 39 | 41 | 49 | 52 | 56 | 58 | 60 | 60 | 60 | 62 | 60 | 60 | 58 | 57 | 55 | 52 | 49 | 48 | 48 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← | Pt. Cloudy | | | | | | → | | | Clear | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.2 | 0.8 | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | W | W | W | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | W | W | SW | SW |
| Wind movement | 7 | 9 | 10 | 13 | 12 | 13 | 13 | 14 | 21 | 21 | 23 | 25 | 22 | 25 | 24 | 22 | 20 | 16 | 9 | 6 | 5 | 4 | 3 | 6 |
| Maximum velocities (exceeding 25 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:57 Character, Cloudy
Moonrise: 6:33a Cloudy
Sunset: Time, 6:23 Character, Clear
Moonset: 8:42p Cloudy

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

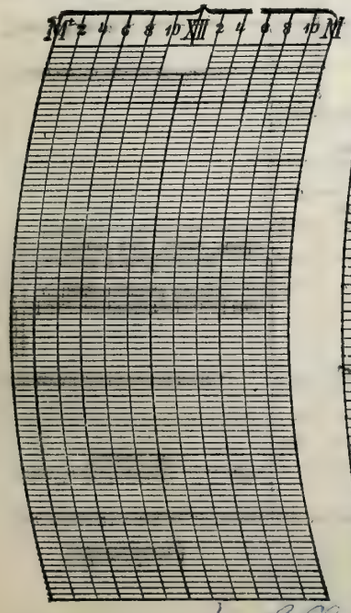
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 62 | 34 | 48 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, _____
Average daily cloudiness (0–10), _____
Actual sunshine, hours, 11.4 Possible sunshine, hours, 13.4
Per cent of possible sunshine, 85
Prevailing wind direction, NW Total wind 342
Average hourly velocity, 14.5 Extreme velocity, 33
Maximum velocity, 28 Direction, NW
Time began, 11:44 a.m.
Reduced barometer, 30.06 7 a. m. 30.04 7, p. m.
River gage, 4.2 ft rising
Relative humidity, 52 7 a. m. 41 7 p. m.

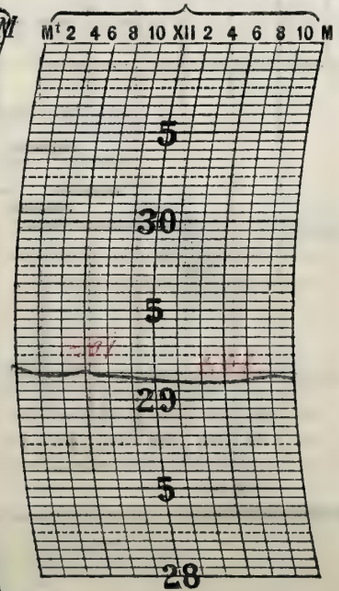
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 59.4 Wet temperature, 45.6
Dew-point, 29 R. humidity, 31 V. pressure, .157
Clouds: Amount, 2; Kind, Alt; Direction, NW
Velocity of clouds (miles per hour) _____

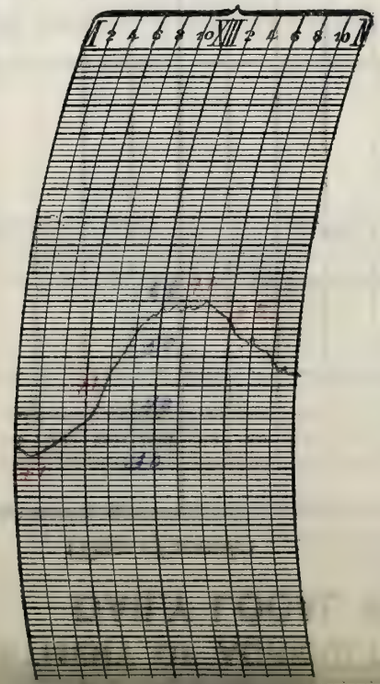
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




NOTES.

The wind-vane was apparently affected slightly as usual today by the steel tower of the transmitting station. Partly cloudy, clear, & sunny day with slowly rising temperatures.

Prepared by _____
Verified by _____

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) _____, (Date) APR 19 _____, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 47 | 45 | 44 | 43 | 42 | 43 | 48 | 58 | 63 | 67 | 70 | 72 | 74 | 76 | 75 | 73 | 71 | 68 | 67 | 62 | 57 | 55 | 52 | 50 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | Clear | | | | | | Clear | | | | | | | | | |
| Sunrise: Time, Character, 4:56 Clear. Moonrise: 7:10 a. Clear. Sunset: Time, Character, 6:22 Clear. Moonset: 2:38 p Clear. | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | .0 | .2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .5 | .2 | .1 | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW |
| Wind movement | 7 | 11 | 10 | 10 | 9 | 12 | 12 | 12 | 13 | 14 | 19 | 22 | 23 | 22 | 24 | 23 | 22 | 21 | 20 | 18 | 14 | 14 | 12 | 10 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | 32 SW 2:07 | 34 SW 3:43 | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

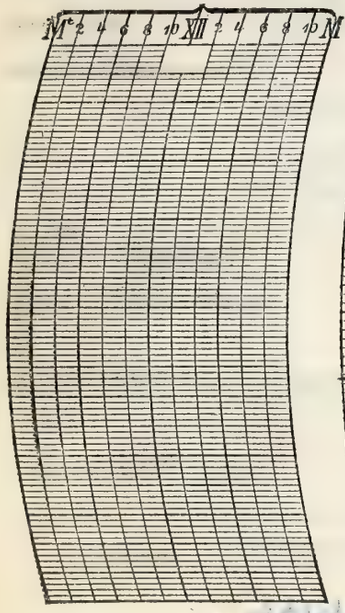
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 76 | 42 | 59 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, _____
Average daily cloudiness (0–10), Fair
Actual sunshine, hours, 13.4 Possible sunshine, hours, 13.5
Per cent of possible sunshine, 99
Prevailing wind direction, SW Total wind 302
Average hourly velocity, 13 Extreme velocity, _____
Maximum velocity, 34 Direction, SW
Time began, 3:43 p.m.
Reduced barometer, 30.03 7 a. m. 29.84 7 p. m.
River gage, 4.0 Fall
Relative humidity, 62 7 a. m. 31 7 p. m.

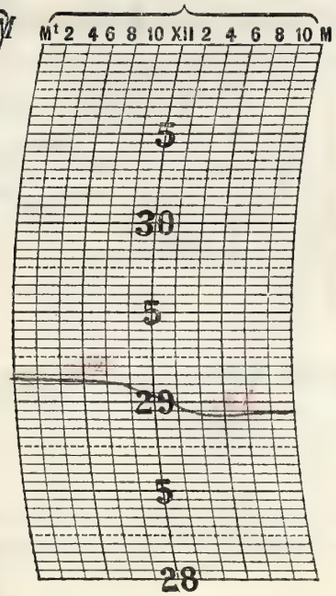
### OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 71.0 Wet temperature, 52.0
Dew-point, 32 R. humidity, 24 V. pressure, .180
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

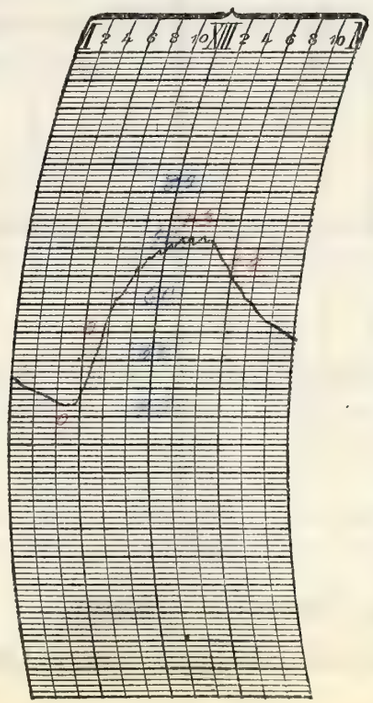
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by _____

Verified by _____

8—486

## NOTES.

although the wind is steady unmeasurable northwest wind under blowing this morning, judging by smoke from surrounding chimneys, the wind was due N. W. Yesterday, there to address caused by the First National Bank building, about 100 feet west of the Wroth Building. Automatic rain gauge placed in position on roof U.S. Weather Bureau office, ready for subsequent use.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 54 | 53 | 52 | 52 | 51 | 53 | 54 | 64 | 68 | 70 | 73 | 75 | 76 | 76 | 78 | 76 | 74 | 71 | 70 | 66 | 63 | 63 | 61 | 61 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | Clear | | | | | | | Clear | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0.4 0.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.3 0.7 | 0 | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | S | S | S | S | S | S | SE |
| Wind movement | 11 | 10 | 10 | 11 | 12 | 12 | 13 | 15 | 12 | 10 | 12 | 13 | 20 | 14 | 14 | 17 | 16 | 15 | 10 | 10 | 12 | 10 | 4 | 3 |
| Maximum velocities (exceeding 25 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time 4:54 Character Cloudy
Moonrise: 2:52a Clear
Sunshine from 6:00a.m.
Sunset: Time 6:26 Character Clear
Moonset: 10:30p Clear

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

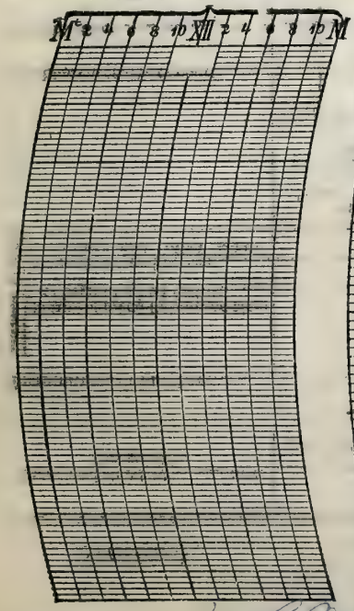
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 78 | 51 | 64 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0–10), 2
Actual sunshine, hours, 12.9 Possible sunshine, hours, 13.3
Per cent of possible sunshine, 96
Prevailing wind direction, SW Total wind 333
Average hourly velocity, 13.8 Extreme velocity, 25
Maximum velocity, 34 Direction, SW
Time began, 1:27p.m.
Reduced barometer, 29.87 7 a. m. 29.74 2 p. m.
River gage, 3.9 Feet.
Relative humidity, 69 7 a. m. 31 2 p. m.

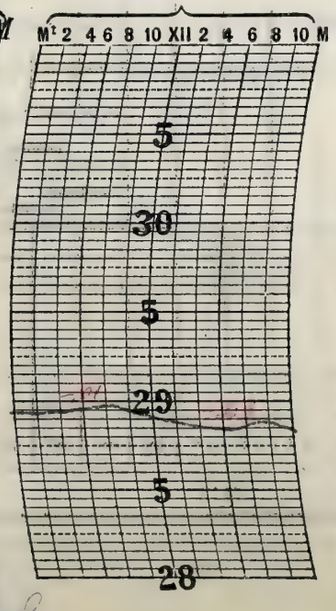
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 75.0 Wet temperature, 65.3
Dew-point, 38 R. humidity, 26 V. pressure, .228
Clouds: Amount, 3; Kind, Cu St; Direction, NW
Velocity of clouds (miles per hour)

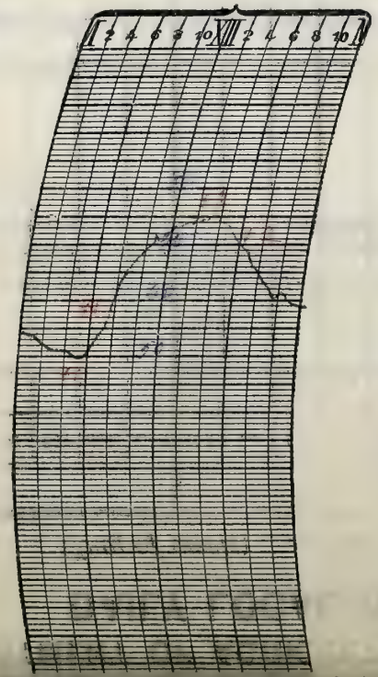
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by [illegible]
Verified by

## NOTES.

A clear and warm day. Very pleasant and clear.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Satu, (Date) APR 21 1924, 192

Time (local standard) 90 mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 53 | 58 | 59 | 57 | 57 | 61 | 65 | 65 | 67 | 72 | 74 | 62 | 62 | 67 | 63 | 59 | 55 | 53 | 54 | 53 | 52 | 50 | 52 | 53 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | RB 6:45 RE 6:47 | | | | | | | | | | | RB 5:28 | RE 6:29 | | RB 8:43 | | RE 10:37 | |
| Amounts of precipitation | | | | | | | T | | | | | T | 0.1 | 0.1 | | | | T | T | | T | T | T | |
| Cloudiness and other conditions | | | | | 2 | Cloudy | + | Pt Cloudy | + | Cloudy | | | + | | | + | Cloudy | | | | Cloudy | | | |
| Sunrise: Time, 4:53 Character, Pt Cldy | | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: 8:38 Character, Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, 6:32 Character, Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Moonset: 11:22 Character, Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0.5 | 1.0 | 1.0 | 1.0 | 0.4 | 0.3 | 0.9 | 1.0 | 0.6 | 0 | 0 | | | | | | |
| Wind direction | S | SE | S | S | SE | SE | SE | SE | S | S | S | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW |
| Wind movement | 10 | 10 | 11 | 9 | 8 | 12 | 13 | 12 | 18 | 24 | 18 | 2 | 22 | 23 | 40 | 32 | 29 | 27 | 22 | | 12 | 13 | | |
| Maximum velocities (exceeding 20 miles) direction and time | | | | | | | | | | 31 SW 9:41 | 28 SW 10:24 | | 33 SW 1:41 | | 35 SW 3:41 | 34 SW 4:24 | 30 SW 5:05 | 30 SW 5:46 | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

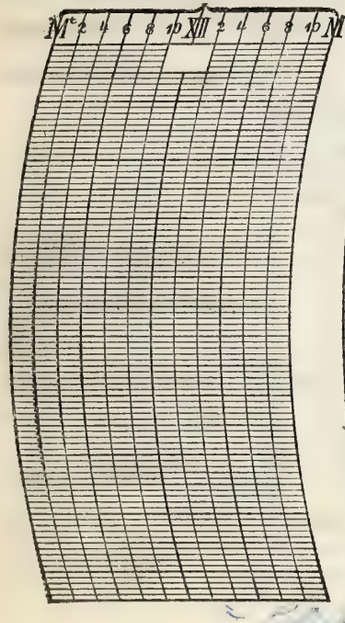
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 64 | 50 | 62 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 7 ins.; to 7 p. m., .13 ins.
Total precipitation, midnight to midnight, .13 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 6.7 Possible sunshine, hours, 13.6
Per cent of possible sunshine, 49
Prevailing wind direction, SW Total wind 4438
Average hourly velocity, 18.2 Extreme velocity, 46
Maximum velocity, 44 Direction, SW
Time began, 3:29 p.m.
Reduced barometer, 29.60 7 a. m. 29.69 7 p. m.
River gage, 3.8 Feet
Relative humidity, 82 7 a. m. 66 7 p. m.

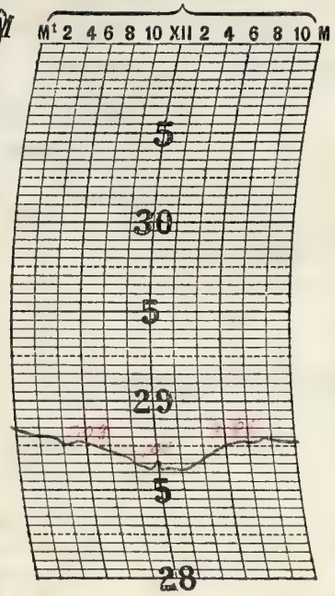
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 70.0 Wet temperature, 58.1
Dew-point, 49 R. humidity, 48 V. pressure, 347
Clouds: Amount, 10; Kind, Nb; Direction, SW
Velocity of clouds (miles per hour)

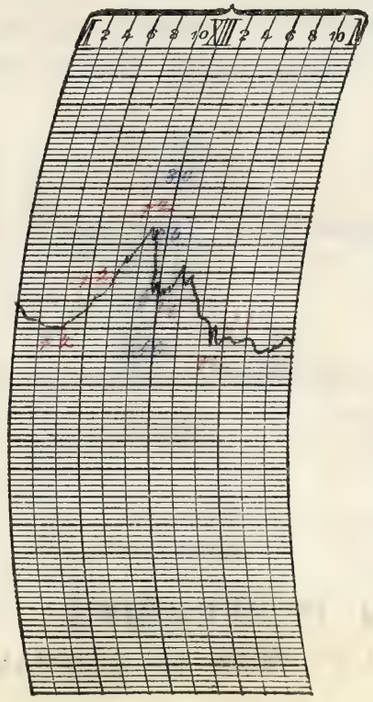
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by

Verified by

8—486

## NOTES.

Special 2:00 p.m. (75th Meridian time) observation called for by the Chief Clerk.

A thunderstorm of light intensity, moving from the northwest quarter at 9h 28 a.m. and ended at 4h 19 p.m., it was accompanied by a light rain.

A cloudy day with mild temperatures.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 53 | 52 | 51 | 50 | 48 | 48 | 49 | 50 | 50 | 50 | 51 | 52 | 54 | 55 | 56 | 57 | 58 | 56 | 53 | 52 | 51 | 48 | 48 | 47 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | 2 | | | | Cloudy | | | | | | Cloudy | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.2 | 0.2 | 0.9 | 0.4 | 0.4 | 0.3 | 0.3 | 0.0 | 0.0 | 0 | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | SW | W | W | W | W | W | W | W | NW | NW | NW | NW | SW | W | W | W |
| Wind movement | 15 | 17 | 21 | 21 | 20 | 20 | 22 | 17 | 18 | 14 | 14 | 18 | 18 | 20 | 14 | 14 | 12 | 12 | 10 | 8 | 8 | 6 | 6 | 6 |
| Maximum velocities (exceeding 25 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:51 Character, Cloudy
Moonrise: 9:29a Cloudy
Sunset: Time, 6:28 Character, Cloudy
Moonset: —

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

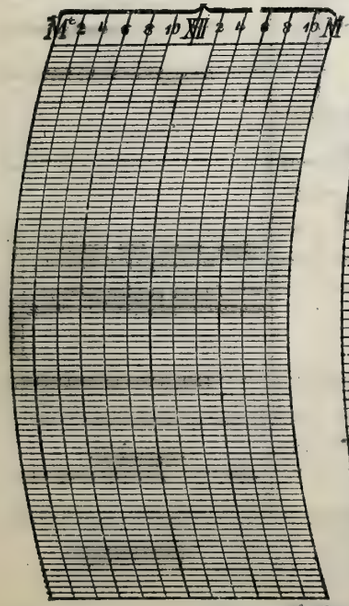
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 58 | 47 | 52 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.3 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase, _____
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 5.1 Possible sunshine, hours, 13.6
Per cent of possible sunshine, 38
Prevailing wind direction, SW Total wind (36.4)
Average hourly velocity, 12.1 Extreme velocity, 25
Maximum velocity, 22 Direction, SW
Time began, 6:33 a.m.
Reduced barometer, 29.97 7 a. m. 29.95 7 p. m.
River gage, 3.8 Feet
Relative humidity, 78 7 a. m. 76 7 p. m.

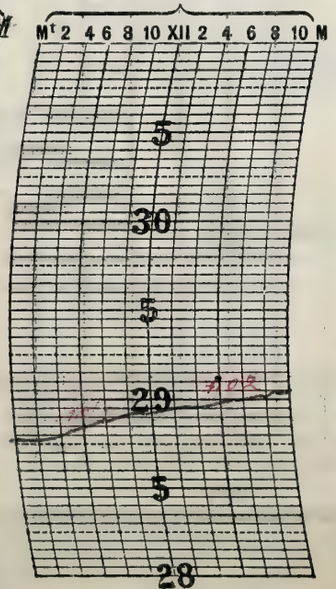
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 53.6 Wet temperature, 49.1
Dew-point, 45 R. humidity, 72 V. pressure, 29.8
Clouds: Amount, 10; Kind, St Cu; Direction, W
Velocity of clouds (miles per hour)

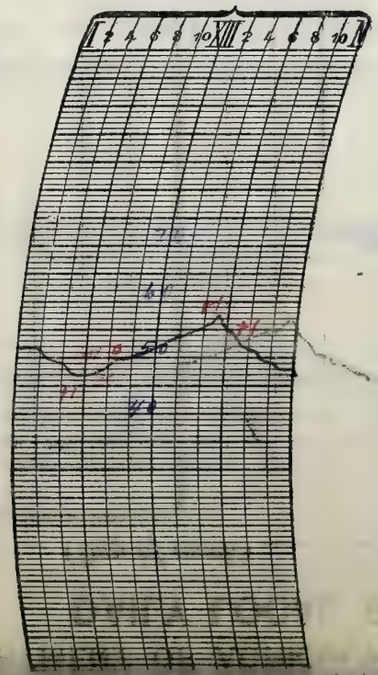
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



NOTES.

Cloudy and moderately cool day with Cloudy Toward evening

Prepared by _____

Verified by _____

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(*Station*) Fort Wayne, Ind., (*Day of week*) ....., (*Date*) ....., 192

Time (local standard). 90° mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 46 | 45 | 45 | 43 | 42 | 47 | 49 | 50 | 54 | 57 | 59 | 58 | 59 | 61 | 62 | 64 | 63 | 60 | 56 | 51 | 49 | 46 | 45 | 43 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | c | | Pt. Cloudy | | x Cloudy | | | | | | x Pt. Cloudy | | x Clear | | | | | | | |

Sunrise: Time, 4:50 Character, Cloudy
Moonrise: 10:22a Cloudy
Sunset: Time, 6:52p Character, Cloudy
Moonset: 12:22a

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 3 | 10 | 6 | | | | 10 | 10 | 10 | 10 | | | | | | | | |
| Wind direction | W | W | W | W | W | W | NW | NW | W | | | | NE | NE | NE | NE | NE | NE | NE | E | E | E | | |
| Wind movement | 6 | 6 | 7 | 7 | 10 | 4 | 8 | 8 | 6 | | | | 8 | 16 | 14 | 12 | | | | | | | | |
| Maximum velocities (exceeding 22 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

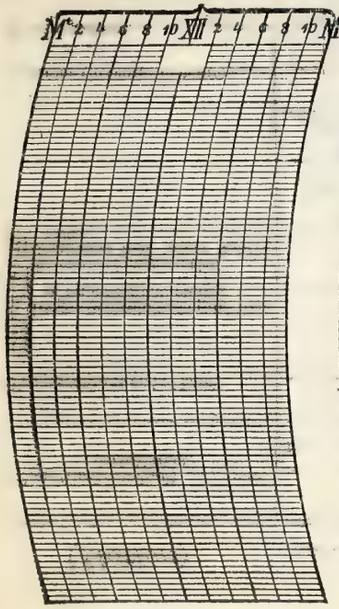
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 64 | 43 | 54 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase, F.Q. 11:20 p.m.
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 12 Possible sunshine, hours, 13
Per cent of possible sunshine, 93
Prevailing wind direction, NE Total wind, 213
Average hourly velocity, 8.9 Extreme velocity, 22
Maximum velocity, 20 Direction, NE
Time began, 4:56 p.m.
Reduced barometer, 30.05 a. m. 30.04 p. m.
River gage, 3.6 / 2.0
Relative humidity, 87 a. m. 45 p. m.

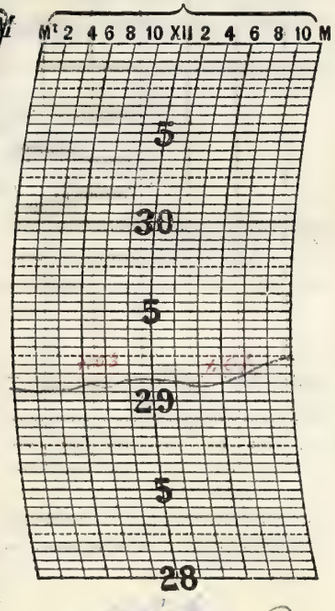
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 58.8 Wet temperature, 51.8
Dew-point, 46 R. humidity, 62 V. pressure,
Clouds: Amount, 9; Kind, St Cu; Direction, N
Velocity of clouds (miles per hour)

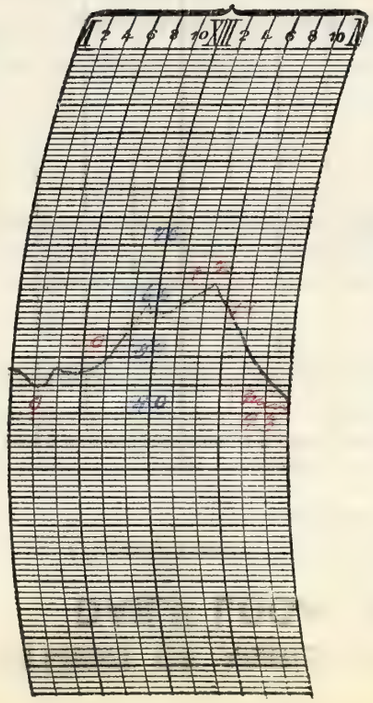
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



*Prepared by* .....
*Verified by* C. McDonough

S—486

## NOTES.

A Sunny Day. Cloudy until 10 this forenoon and Nearly Cloudy from 10 this forenoon to midnight.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(*Station*) ....., (*Day of week*) ....., (*Date*) ....., 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 40 | 39 | 38 | 37 | 36 | 37 | 42 | 44 | 49 | 53 | 54 | 55 | 57 | 58 | 60 | 61 | 60 | 59 | 59 | 53 | 49 | 48 | 47 | 46 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← Pt. Cloudy → | | | | Clear | | | | | | | Clear | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 0 | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | E | E | E | E | E | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE |
| Wind movement | 10 | 10 | 10 | 7 | 9 | 8 | 10 | 12 | 10 | 8 | | 8 | 12 | 12 | 10 | 12 | 11 | 11 | 9 | 12 | 11 | 10 | 7 | 7 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:48 Character, Clear
Moonrise: 11:30 a Clear
Sunset: Time, 6:30 Character, Clear
Moonset: 12:10:30 a

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

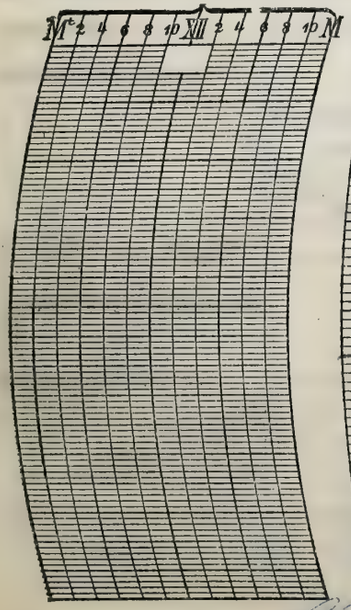
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 61 | 36 | 48 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0–10), 2
Actual sunshine, hours, 13.7 Possible sunshine, hours, 13.7
Per cent of possible sunshine, 100
Prevailing wind direction, NE Total wind 244.0
Average hourly velocity, 10.0 Extreme velocity, 16
Maximum velocity, 15 Direction, NE
Time began, 1:03:30 m
Reduced barometer, 30.25 7 a. m. 30.23 7 p. m.
River gage, 3.6 Feet
Relative humidity, 70 7 a. m. 41 7 p. m.

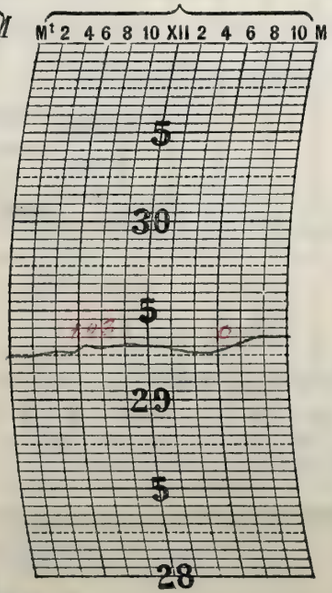
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 56.9 Wet temperature, 46.8
Dew-point, 36 R. humidity, 46 V. pressure, 211
Clouds: Amount, 3; Kind, Cist; Direction, NW
Velocity of clouds (miles per hour)

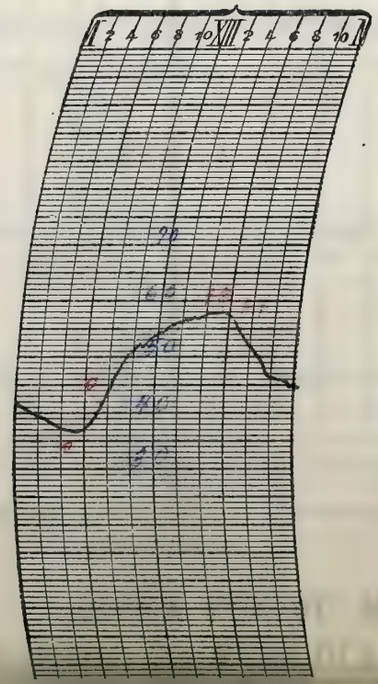
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




*Prepared by* .....

*Verified by* .....

## NOTES.

A clear and cool day, through the early part of forenoon was pleasantly warm and the entire day was marked with an abundance of bright warm sunshine, Fields in this locality are commencing to bloom in some instances, about in most cases they are just beginning to bud.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Red Wing, Ind., (Day of week) Wednesday, (Date) APR 25 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 43 | 42 | 40 | 34 | 39 | 41 | 46 | 50 | 52 | 55 | 54 | 57 | 61 | 63 | 64 | 65 | 64 | 61 | 60 | 60 | 58 | 52 | 51 | 52 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | — | — | — | — | Clear | — | — | — | — | — | — | Clear | — | — | — | — | — | — | — | → |
| Sunshine (in tenths of hours) | | | | | 0 | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | .52 | | | | | |
| Wind direction | N | N | NE | NE | NE | NE | NE | NE | NE | N | N | NE | NE | N | NE | NE | NE | NE | N | N | N | N | N | N |
| Wind movement | 1 | 2 | 3 | 4 | 3 | 3 | 4 | 8 | 7 | 8 | 9 | 10 | 10 | 10 | 10 | 8 | 8 | 7 | 4 | 3 | 5 | 8 | 6 | 5 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:42 Character, Clear
Moonrise: 12:32p Clear
Sunset: Time, 6:31 Character, Clear
Moonset: 1:33a

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

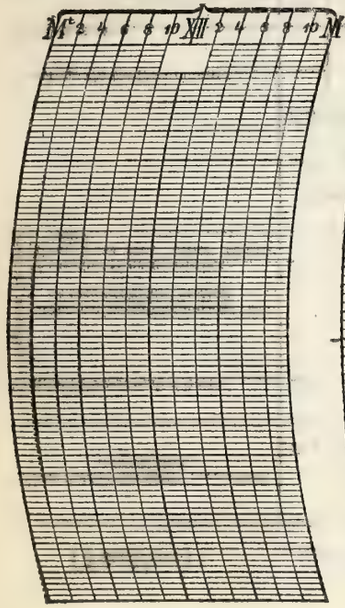
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 65 | 39 | 52 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), Fair
Actual sunshine, hours, 13.5 Possible sunshine, hours, 13.7
Per cent of possible sunshine, 99
Prevailing wind direction, NE Total wind 154
Average hourly velocity, 6.6 Extreme velocity, 12
Maximum velocity, 12 Direction, NE
Time began, 12:27 P.M.
Reduced barometer, 30.33 7 a. m. 30.12 7 p. m.
River gage, 9.4 Feet
Relative humidity, 56 7 a. m. 27 7 p. m.

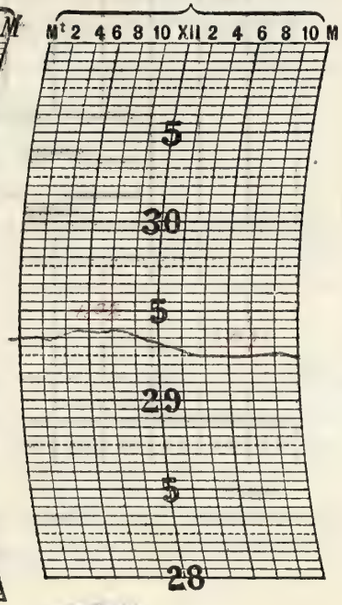
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 59.0 Wet temperature, 44.0
Dew-point, 24 R. humidity, 25 V. pressure, 124
Clouds: Amount, Few; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

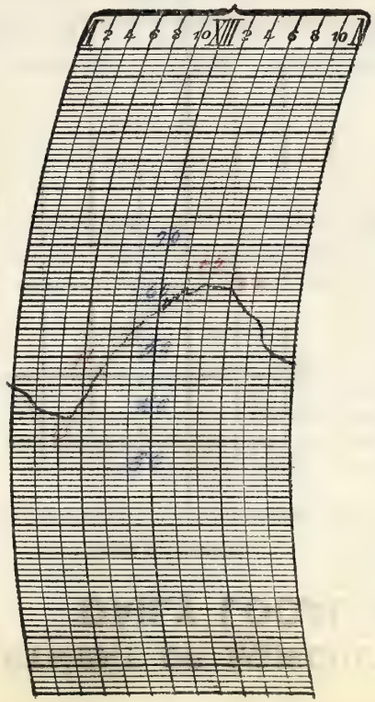
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by

Verified by P. McDonough

8—486

## NOTES.

Mean wind velocity for day was 6.6 miles per hour. Highest velocity was 12 miles per hour, from NE, at 12:27 P.M. Sunday the day was bright and clear.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Thursday, (Date) Nov 2, 1922, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 48 | 48 | 47 | 46 | 46 | 46 | 49 | 52 | 56 | 60 | 62 | 63 | 68 | 70 | 70 | 72 | 71 | 67 | 65 | 62 | 61 | 60 | 54 | 52 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | Cloudy | | | | | × Pt. Cloudy | | × Cloudy | | × Pt. Cloudy | | | Cloudy | | | × Clear | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.4 | 0 | | | | | |
| Wind direction | E | E | E | NE | E | SE | SE | S | S | SW | W | W | S | SW | NW | S | NE | E | E | E | SE | SE | SE | SE |
| Wind movement | 2 | 3 | 4 | 5 | 6 | 4 | 2 | 3 | 4 | 6 | 7 | 3 | 4 | 6 | 6 | 4 | 3 | 4 | 4 | 6 | 4 | 4 | 3 | 2 |
| Maximum velocities (exceeding ____ miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:45 Character, Cloudy

Moonrise: 6:45 p.m. Cloudy

Sunset: Time, 6:02 Character, Cloudy

Moonset: 2:14 a.m.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

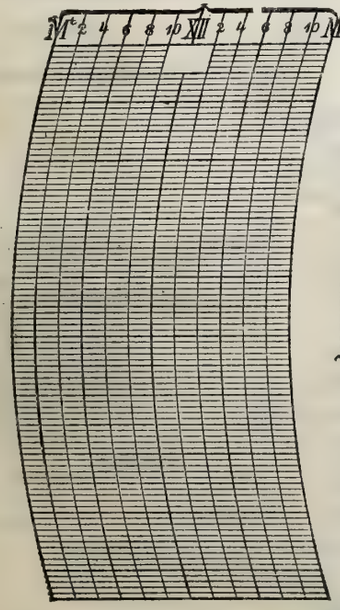
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 72 | 45 | 58 × | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 9.5 Possible sunshine, hours, 13.8
Per cent of possible sunshine, 69
Prevailing wind direction, E Total wind 96
Average hourly velocity, 4.1 Extreme velocity, 8
Maximum velocity, 8 Direction, S
Time began,
Reduced barometer, 30.15 7 a. m. 7 p. m.
River gage, 3.3 Feet
Relative humidity, 7 a. m. 7 p. m.

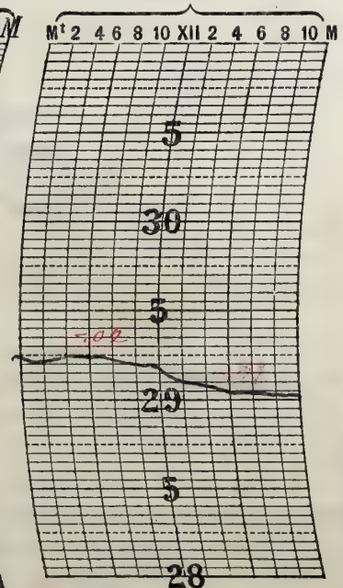
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 64.0 Wet temperature, 46.0
Dew-point, 23 R. humidity, 20 V. pressure, .118
Clouds: Amount, 9; Kind, 1 St; Direction, NW
Velocity of clouds (miles per hour)

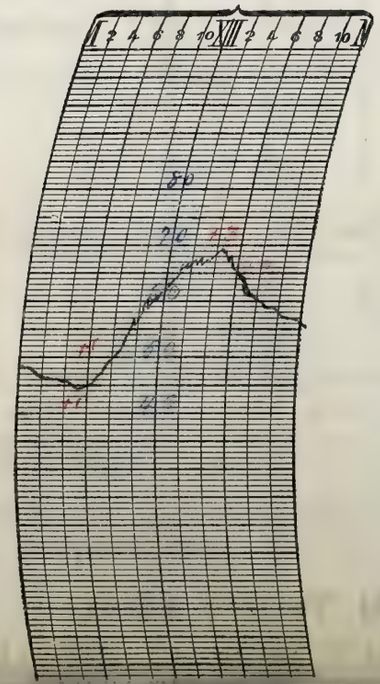
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by

Verified by P. McDonough

## NOTES.

A pleasant solar halo of 22° radius was observed from 6:45 a.m. until 11:00 a.m.

A cloudy day with moderate temperatures

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(*Station*) Fort Wayne, Ind., (*Day of week*) Friday, (*Date*) SEP 27 1907, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 55 | 53 | 52 | 51 | 52 | 54 | 58 | 59 | 63 | 64 | 66 | 62 | 70 | 75 | 74 | 74 | 74 | 72 | 64 | 63 | 62 | 58 | 49 | 47 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | RB 7:38 | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | T | T | .06 | .08 | .04 |
| Cloudiness and other conditions | | | | | | | | Cloudy | | | | P. Cloudy | Cloudy | | | | Cloudy | | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0.7 | 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 0.2 | 0.3 | 0 | 0 | | | | | |
| Wind direction | SE | SE | SE | SE | S | S | S | SW | SW | SW | SW | SW | W | SW | SW | W | W | W | N | N | N | NW | N | NE |
| Wind movement | 2 | 1 | 3 | 4 | 7 | 6 | 5 | 10 | 7 | 5 | 9 | 9 | 9 | 9 | 10 | 7 | 7 | 8 | 11 | 10 | 12 | 7 | 7 | 10 |
| Maximum velocities (exceeding ___ miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time 4:44 Character Cloudy
Moonrise: 2:50 Cloudy
Sunset: Time 6:33 Character Cloudy
Moonset: 2:12 a

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

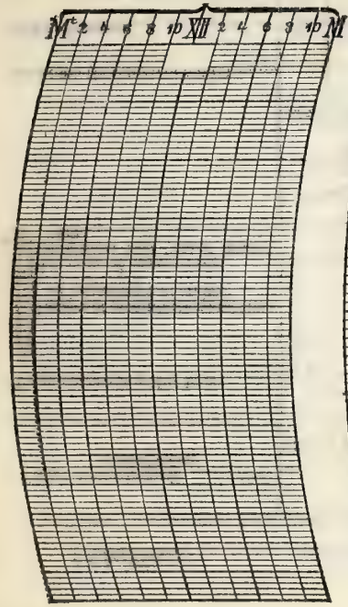
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 76 | 47 | 62 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .18 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 8
Actual sunshine, hours, 8.6 Possible sunshine, hours, 12.8
Per cent of possible sunshine, 62
Prevailing wind direction, SW Total wind 175
Average hourly velocity, 2.3 Extreme velocity, 15
Maximum velocity, 14 Direction, W
Time began, 8:31 p.m.
Reduced barometer, 29.82 a. m. 29.77 p. m.
River gage, 3.2 Feet
Relative humidity, 37 7 a. m. 60 7 p. m.

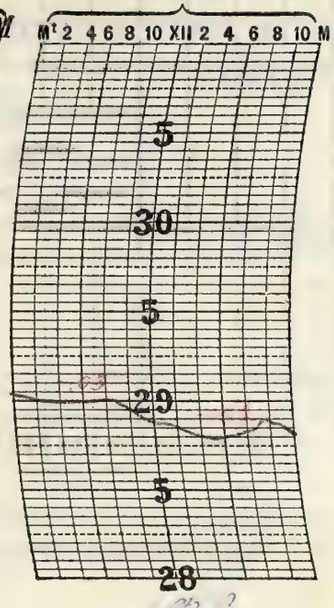
### OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 72.3 Wet temperature, 63.0
Dew-point, 53 R. humidity, 44 V. pressure,
Clouds: Amount, 5; Kind, AST; Direction, NW
Velocity of clouds (miles per hour)

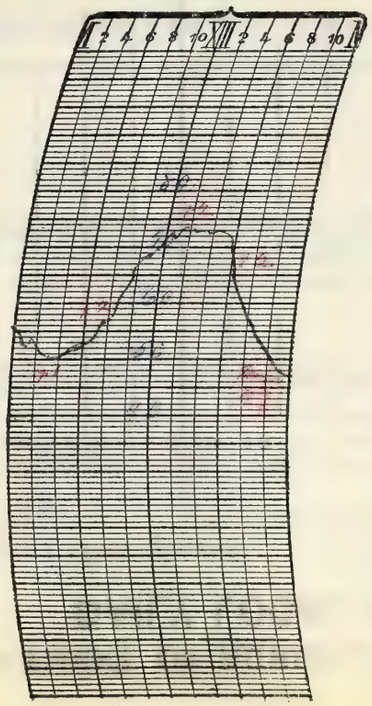
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by
Verified by T. McDonough

8—480

## NOTES.

Cloudy and rainy
day with light rain beginning
in the early morning

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Mount Weather, Va., (Day of week) Saturday, (Date) APR 28 192

Time (local standard). 90 mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 48 | 48 | 47 | 46 | 46 | 46 | 50 | 52 | 54 | 55 | 56 | 58 | 59 | 61 | 63 | 64 | 63 | 61 | 58 | 55 | 55 | 53 | 51 | 49 |
| State of weather. Nature of precipitation and time of beginning and ending | NE | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | 01 | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | 2 | Pt. Cloudy | | | | | Cloudy | | | | | | Pt. Cloudy | | Clear | | | | | |
| Sunrise: Time, Character, Moonrise: | 4:43 Cloudy Night Clear | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, Moonset: 9:28 a | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0.4 | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.4 | | | | | |
| Wind direction | NE | N | N | N | NW | NW | N | N | NE | N | NE | N | NE | N | N | NW | NW | NW | NW | NW | N | N | N | N |
| Wind movement | 8 | 5 | 4 | 4 | 5 | 5 | 7 | 8 | 8 | 12 | 11 | 10 | 10 | 8 | 10 | 12 | 12 | 11 | 6 | 3 | 0 | 0 | 2 | |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

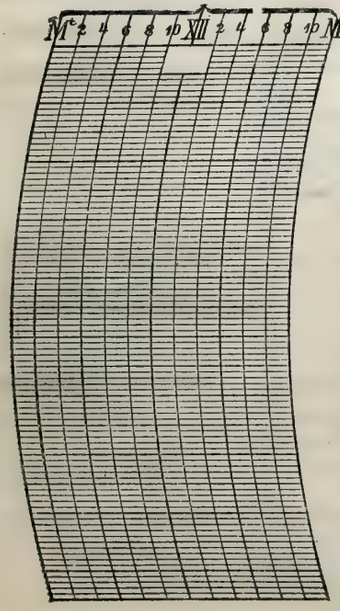
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 63 | 43 | 53 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 6 inches.
Total snowfall, midnight to midnight, ____ inches.
Precipitation to 7 a. m., .12 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Pt. Cloudy Moon phase, ____
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 12.8 Possible sunshine, hours, 13.8
Per cent of possible sunshine, 92
Prevailing wind direction, N. Total wind 196
Average hourly velocity, 8 Extreme velocity, 20
Maximum velocity, 20 Direction, NW
Time began, 6:10 p.m.
Reduced barometer, 22.70 7 a. m. 22.69 7 p. m.
River gage, 2.2 feet
Relative humidity, 65 7 a. m. 39 7 p. m.

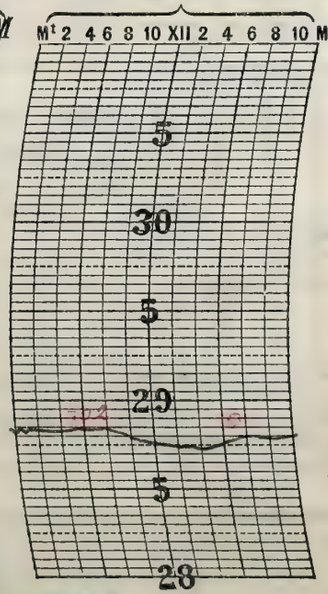
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 58.0 Wet temperature, 46.6
Dew-point, 31 R. humidity, 36 V. pressure, .132
Clouds: Amount, 1; Kind, Cu.; Direction, ____
Velocity of clouds (miles per hour) ____

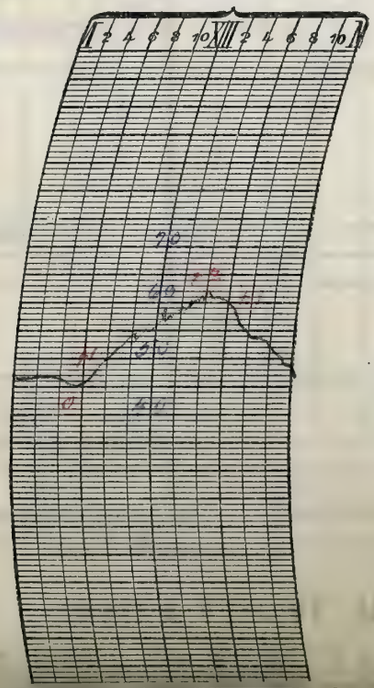
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



NOTES.

Apparently Freeze May with moderate to Comfortable Conditions

Prepared by ____

Verified by F. McDonough

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(*Station*) Fort Wayne, Ind., (*Day of week*) Sunday, (*Date*) APR 24 1927, 192

Time (local standard). 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 47 | 46 | 45 | 43 | 42 | 43 | 48 | 52 | 55 | 57 | 58 | 60 | 58 | 58 | 57 | 57 | 57 | 55 | 53 | 51 | 50 | 49 | 49 | 48 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← Clear | | | | | | | | | | | | | | | Clear → | | | | | |
| Sunshine (in tenths of hours) | | | | | .3 | .3 | | | | | | | | | | | | .1 | .5 | | | | | |
| Wind direction | N | N | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | W | W | W | W |
| Wind movement | 4 | 4 | 5 | 4 | 6 | 6 | 7 | 8 | 13 | 14 | 15 | 15 | 19 | 20 | 20 | 22 | 24 | 16 | 12 | 9 | 10 | 11 | 8 | 8 |
| Maximum velocities (exceeding ____ miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:41 Character, Clear. Moonrise: 5 Clear

Sunset: Time, 6:26 Character, Clear. Moonset: 4 Rain

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 60 | 42 | 51 | |

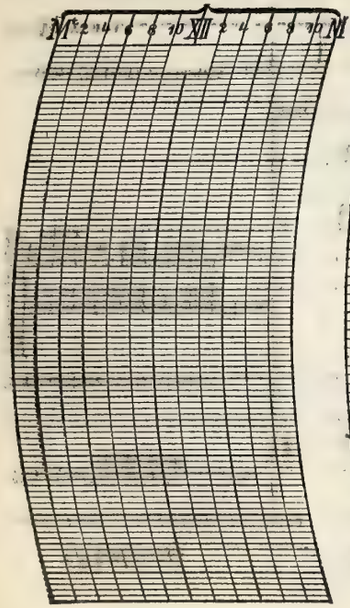
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 13.5 Possible sunshine, hours, 13.2
Per cent of possible sunshine, 97
Prevailing wind direction, NW Total wind 200
Average hourly velocity, 12.2 Extreme velocity, 24
Maximum velocity, 24 Direction, NW
Time began, 2:07 p. m.
Reduced barometer, 29.[illegible] 7 a. m. 29.94 7, p. m.
River gage, 3.1 Feet
Relative humidity, 62 7 a. m. 53 7 p. m.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

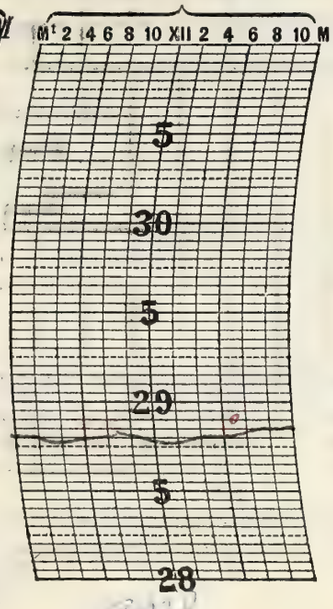
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 52.8 Wet temperature, 44.7
Dew-point, 27 R. humidity, 53 V. pressure, [illegible]
Clouds: Amount, 5; Kind, Clear; Direction, NW
Velocity of clouds (miles per hour)

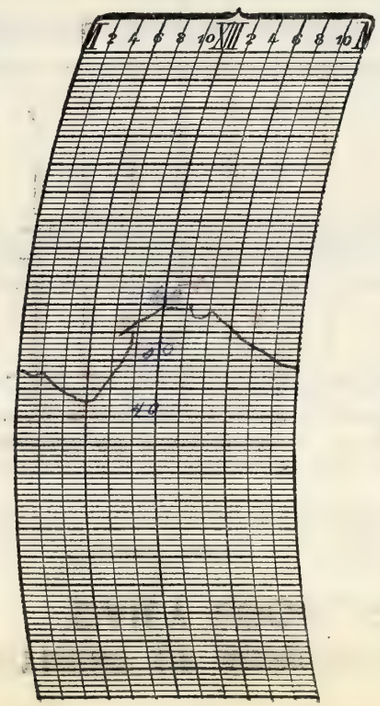
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by

Verified by C. M. Dunbaugh

8—486

## NOTES.

a clear day must measure at least
with a sunshine to sunshine must
with wire within penetration

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) _____, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 48 | 48 | 48 | 46 | 45 | 47 | 51 | 57 | 62 | 63 | 65 | 67 | 68 | 69 | 69 | 68 | 67 | 65 | 63 | 60 | 59 | 58 | 57 | 54 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | Clear | | | | | | | | Clear | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.6 | | | | | |
| Wind direction | W | W | W | W | W | W | W | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | N | N | N | NW | NW | W |
| Wind movement | 9 | 10 | 10 | 9 | 6 | 5 | 8 | 10 | 11 | 11 | 9 | 7 | 16 | 18 | 15 | 17 | 17 | 12 | 8 | 6 | 5 | 4 | 2 | 1 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time 4:40 Character Clear
Moonrise: 6:32 Clear
Sunset: Time 6:36 Character Clear
Moonset: 4:46a Clear

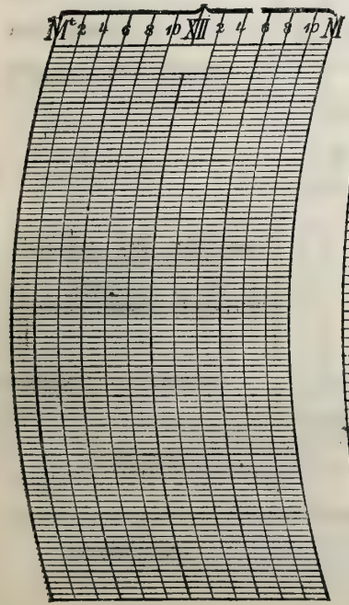
| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 70 | 45 | 58 | |

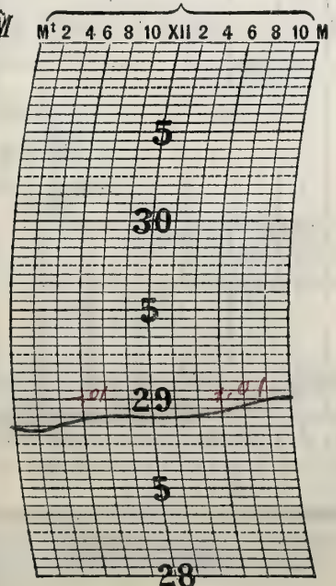
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 7 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, Full-3:33 p.m.
Average daily cloudiness (0-10), Few
Actual sunshine, hours, 13.9 Possible sunshine, hours, 13.9
Per cent of possible sunshine, 100
Prevailing wind direction, NWe Total wind 254
Average hourly velocity, 10.6 Extreme velocity, 26
Maximum velocity, 25 Direction, NW
Time began, 10:52 a.m.
Reduced barometer, 29.2[illegible]7 a. m. 29.89 7, p. m.
River gage, 8.2 Feet.
Relative humidity, 72 7 a. m. 37 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 66.6 Wet temperature, 49.8
Dew-point, 32 R. humidity, 27 V. pressure, .180
Clouds: Amount, Few; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

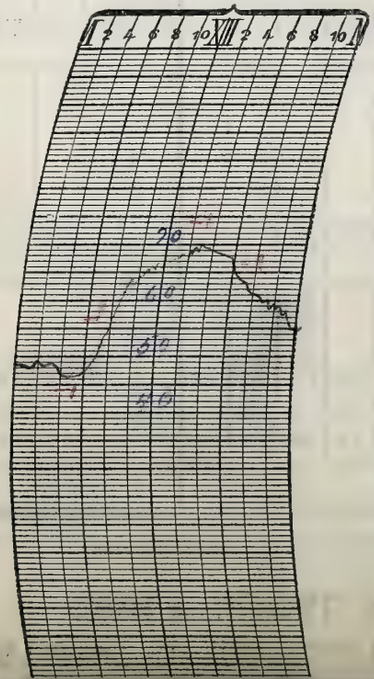
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by _____

Verified by T. McDonough

## NOTES.

A clear and pleasant day with moderate temperature. Sunset was extraordinary. Fine night but cool. Frost warrant with light thunderstorm.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Tuesday, (Date) [illegible], 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 52 | 53 | 50 | 49 | 49 | 50 | 53 | 63 | 67 | 69 | 71 | 72 | 73 | 73 | 74 | 74 | 74 | 73 | 69 | 65 | 63 | 59 | 56 | 55 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | ← Clear → | | | | | | | | | | | | ← Clear → | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | .85 0 | 0.2 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | .62 | | | | | |
| Wind direction | W | NW | W | W | NW | N | NE | NE | E | E | E | NE | NE | NE | NE | NE | E | E | E | E | E | E | E | E |
| Wind movement | 3 | 4 | 0 | 2 | 8 | 5 | 4 | 4 | 6 | 4 | 4 | 5 | 5 | 6 | 7 | 8 | 8 | 7 | 7 | 6 | 9 | 8 | 8 | 8 |
| Maximum velocities (exceeding 25 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:39 Character, Clear
Moonrise: 7:45p Clear
Sunset: Time, 6:32 Character, Clear
Moonset: 5:28a Clear

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 75 | 48 | 62 | |

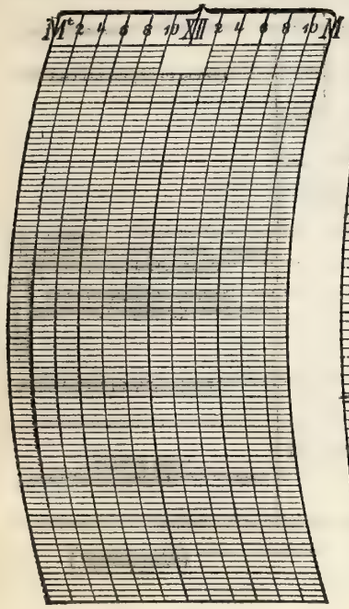
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 14.0 Possible sunshine, hours, 14.0
Per cent of possible sunshine, 100
Prevailing wind direction, E Total wind, 135
Average hourly velocity, 4.5 Extreme velocity, 11
Maximum velocity, 11 Direction, NE
Time began, 3:32 p.m.
Reduced barometer, 30.02 7 a. m. 30.03 7 p. m.
River gage, 3.1 feet
Relative humidity, 83 7 a. m. 26 7 p. m.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

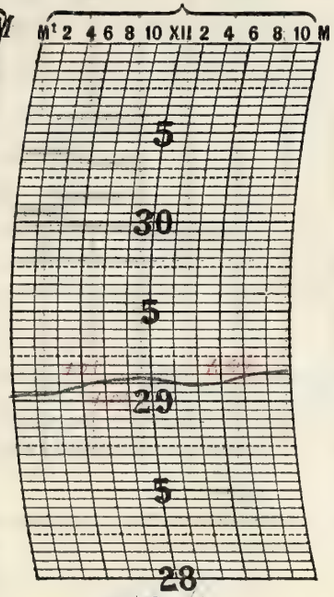
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 71.5 Wet temperature, 57.0
Dew-point, 28 R. humidity, 20 V. pressure, 150
Clouds: Amount, 4; Kind, C.St.; Direction, NW.
Velocity of clouds (miles per hour)

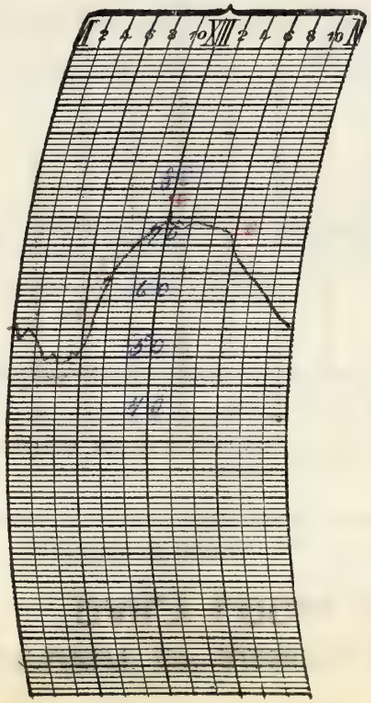
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by [illegible]
Verified by C. McDonough

8—486

## NOTES.

Fair warnings were registered in the a.m. Telegraphic report. A clear sunny wind map throughout day.
The night was unusually with bright moonlight.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) MAY - 2 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 51 | 49 | 46 | 44 | 43 | 45 | 46 | 54 | 59 | 63 | 65 | 67 | 68 | 70 | 71 | 70 | 67 | 63 | 60 | 55 | 53 | 49 | 47 | 46 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | Clear | | | Pt. Cloudy | | | | | | | | | | | |

Sunrise: Time, 4:37 Character, Cloudy. Moonrise: 8:23a Cloudy.

Sunset: Time, 6:38 Character, Cloudy. Moonset: 6:46a Clear.

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | | | | | | |
| Wind direction | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | NE | E | NE |
| Wind movement | 8 | 8 | 8 | 9 | 11 | 10 | 9 | 10 | 13 | 13 | 13 | 13 | 11 | 12 | 12 | 12 | 12 | 10 | 3 | 10 | 11 | 11 | 9 | |
| Maximum velocities (exceeding 20 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

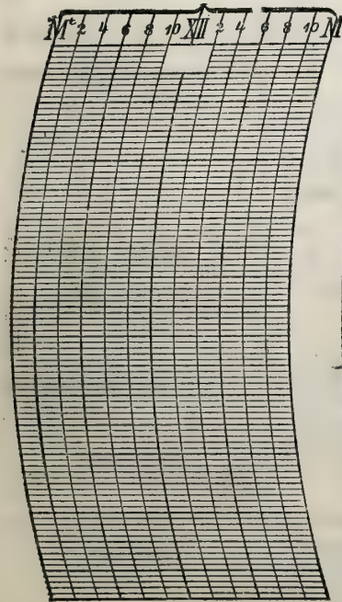
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 71 | 43 | 57 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 2 a. m., 0 ins.; to 2 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy. Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 11.3 Possible sunshine, hours, 14.0
Per cent of possible sunshine, 81
Prevailing wind direction, E Total wind
Average hourly velocity, 11 Extreme velocity,
Maximum velocity, 20 Direction, E
Time began, 4:28 p.m.
Reduced barometer, 30.08 7 a. m. 30.14 7 p. m.
River gage, 3.1 Feet.
Relative humidity, 70 7 a. m. 35 7 p. m.

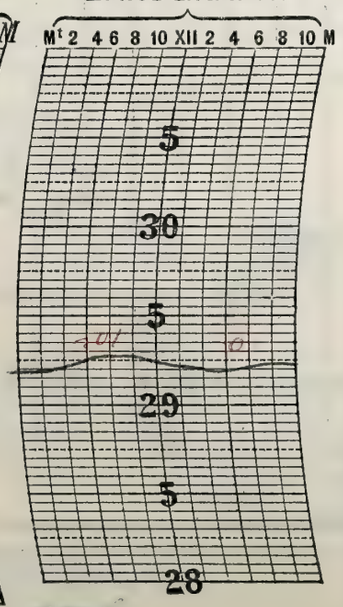
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 64.9 Wet temperature, 47.9
Dew-point, 28 R. humidity, 22 V. pressure,
Clouds: Amount, 5; Kind, Ast.; Direction, NW.
Velocity of clouds (miles per hour)

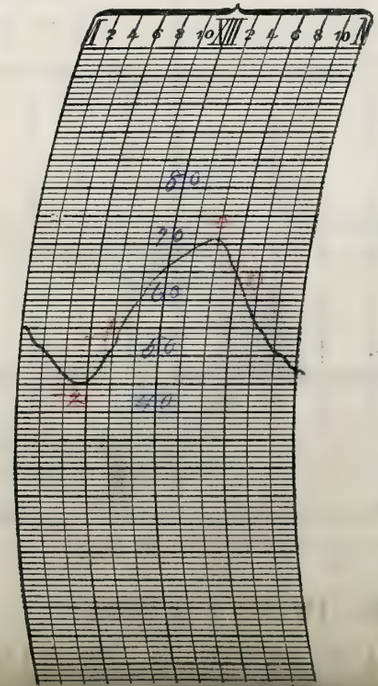
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




NOTES.

A Monthly Climatology Chart with the mean hourly temperature, mean barometric pressure, & mean hourly velocity of wind for each hour of the day, & the mean hourly sunshine through the month shown.

Prepared by

Verified by T. M. Donough

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) MAY 2 1922, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 45 | 45 | 43 | 42 | 41 | 44 | 48 | 53 | 60 | 67 | 72 | 74 | 75 | 76 | 75 | 73 | 71 | 67 | 62 | 58 | 55 | 53 | 51 | 51 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← | | | Cloudy | | | | | | Cloudy | | | | | | Clear → | | | | |
| Sunrise: Time, Character, 4:36 Cloudy. Moonrise: 9:57p Clear | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 6:39 Cloudy. Moonset: 7:07a Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | 0 | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | E | E | E | E | E | E | E | NE | NE | NE | E | NE | NE | NE | E | E | NE | NE |
| Wind movement | 10 | | | | 7 | 10 | 10 | 10 | 8 | 9 | 9 | 7 | 14 | 15 | 15 | 13 | 16 | 17 | 12 | 12 | 12 | 9 | 8 | 6 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

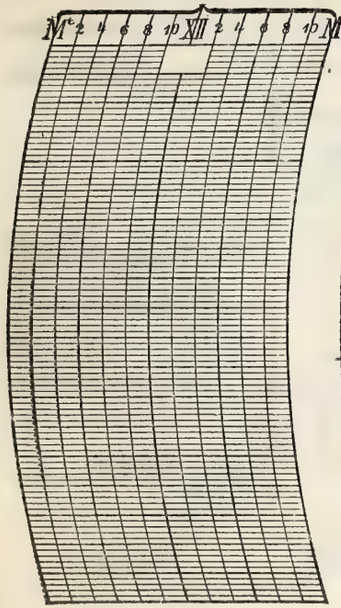
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 76 | 41 | 58 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 12.1 Possible sunshine, hours, 14.0
Per cent of possible sunshine, 86
Prevailing wind direction, NE Total wind 272
Average hourly velocity, 11.3 Extreme velocity, 22
Maximum velocity, 22 Direction, E
Time began, 4:12 p.m.
Reduced barometer, 30.22 7 a. m. 30.10 7 p. m.
River gage, 3.0 Feet.
Relative humidity, 64 7 a. m. 23 7 p. m.

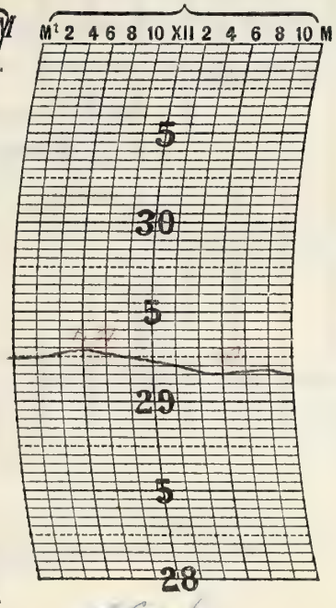
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 74.0 Wet temperature, 52.0
Dew-point, 28 R. humidity, 18 V. pressure, 15.0
Clouds: Amount, 8; Kind, AST; Direction, E
Velocity of clouds (miles per hour)

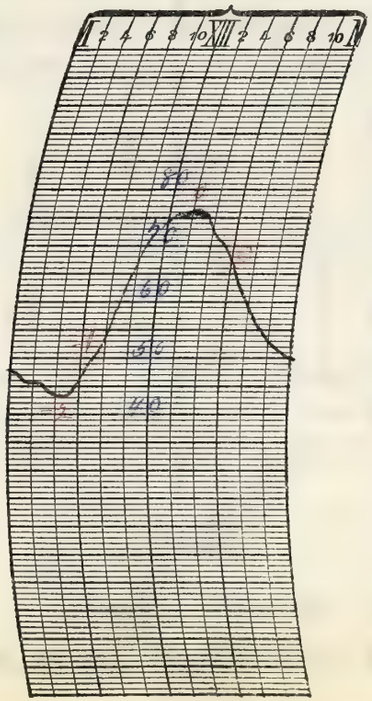
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by

Verified by P. M. Denny

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## NOTES.

A slight rain began at 7:20 a.m. and was heard at 6:40 a.m. it continued until 8:30 a.m.

A cloudy day with moderate temperature. Toward evening the clouds began to clear and the temperature fell rapidly, making the night clear and cool. The latter night was terminated by a slight rain fall.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Friday, (Date) MAY 4 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 49 | 49 | 48 | 48 | 47 | 48 | 51 | 56 | 60 | 65 | 70 | 73 | 75 | 76 | 77 | 74 | 72 | 69 | 68 | 64 | 63 | 60 | 57 | 54 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | Pt. Cloudy | | | | | | | Pt. Cloudy | | | | | | | | | |

Sunrise: Time, 4:35 Character, Cloudy
Moonrise: 10:23 D Cloudy
Sunset: Time, 6:49 Character, Cloudy
Moonset: 8:04a Cloudy

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 3 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | | | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | N | N | N | N | N | N | NE | NE |
| Wind movement | 12 | 11 | 12 | 11 | 11 | 10 | 11 | 12 | 10 | 9 | 9 | 11 | 12 | 14 | 15 | 15 | 13 | 12 | | | | 12 | 8 | |
| Maximum velocities (exceeding 20 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

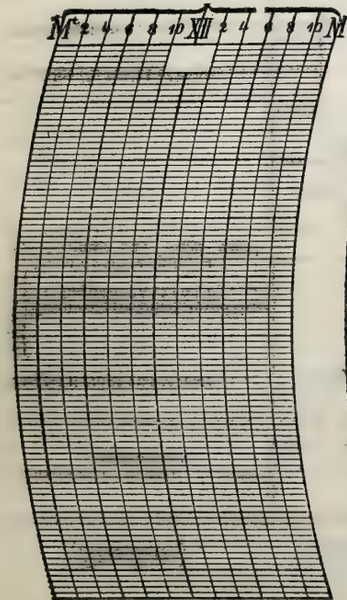
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 77 | 46 | 62 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy, Moon phase,
Average daily cloudiness (0–10), 0
Actual sunshine, hours, 11.3 Possible sunshine, hours, 14.1
Per cent of possible sunshine, 80
Prevailing wind direction, NE Total wind 291
Average hourly velocity, 12.1 Extreme velocity, 25
Maximum velocity, 25 Direction, NE
Time began, 11:07 p.m.
Reduced barometer, 30.02 7 a. m. 29.92 7 p. m.
River gage, 3.0 Feet
Relative humidity, 60 7 a. m. 43 7 p. m.

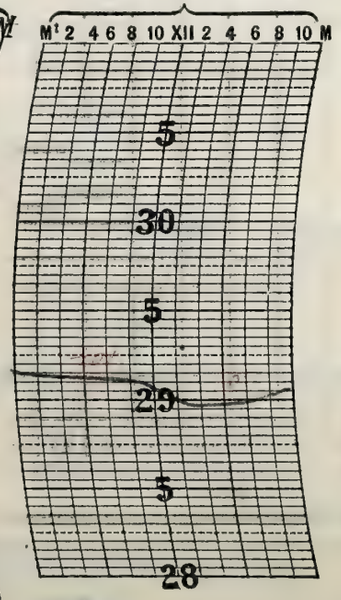
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 72.0 Wet temperature, 53.0
Dew-point, 34 R. humidity, 22 V. pressure, .192
Clouds: Amount, 5; Kind, C.St.; Direction, SE
Velocity of clouds (miles per hour)

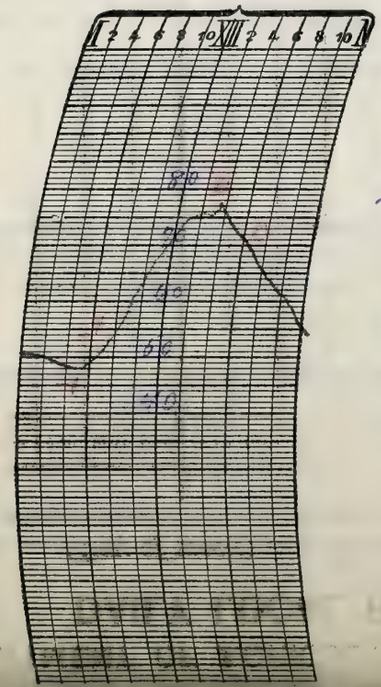
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by Clerk
Verified by P. McDonough

## NOTES.

Fine day. Almost faultless clear and cool. Not much wind. Sun coming through from clouds at frequent intervals. Became warmer, and is a suitable day and night more pleasant weather conditions.

At point when temp. is 52° maximum was reached from midnight.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) MAY 5 1923, 192

Time (local standard) ___ mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 53 | 52 | 50 | 48 | 47 | 48 | 51 | 54 | 56 | 59 | 62 | 64 | 65 | 66 | 67 | 66 | 65 | 63 | 61 | 56 | 54 | 51 | 49 | 47 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | 4 | | | Clear | | | | | | | | Clear | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0.6 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 6.8 | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | E | E | NE | NE | NE | NE |
| Wind movement | 4 | 0 | 3 | 12 | 2 | 12 | 7 | 7 | 3 | 3 | 13 | 7 | 18 | 10 | 7 | 6 | 15 | 14 | 13 | 9 | 4 | 0 | 2 | 0 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time 4:33, Character Cloudy. Moonrise: ___

Sunset: Time ___, Character Clear. Moonset: ___

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 67 | 47 | 57 | |

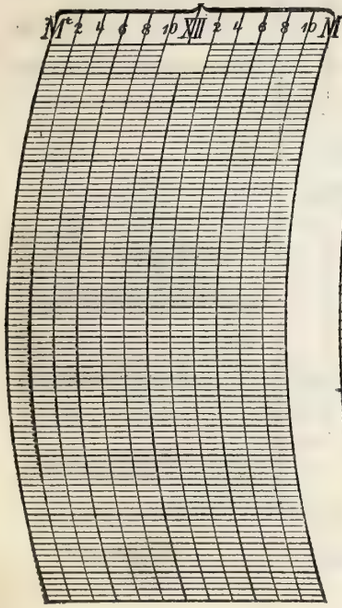
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, ___
Average daily cloudiness (0-10), Fair
Actual sunshine, hours, 13.3 Possible sunshine, hours, 14.1
Per cent of possible sunshine, 94
Prevailing wind direction, NE Total wind 343
Average hourly velocity, 14.3 Extreme velocity, 25
Maximum velocity, 25 Direction, NE
Time began, 11:09 a.m.
Reduced barometer, 29.27 a. m. 29.24 p. m.
River gage, 2.4 Fall
Relative humidity, ___ a. m. 47 p. m.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

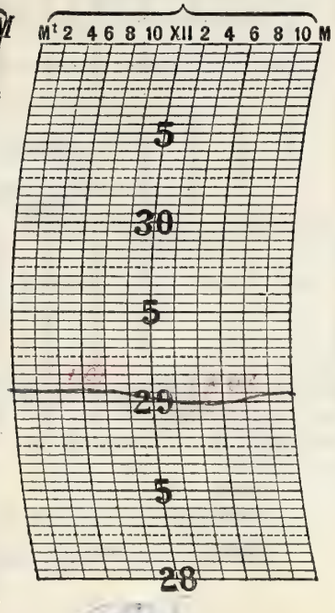
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 62.7 Wet temperature, 57.0
Dew-point, 44.0 R. humidity, 44 V. pressure, .243
Clouds: Amount, 1; Kind, A.St.; Direction, SW
Velocity of clouds (miles per hour) ___

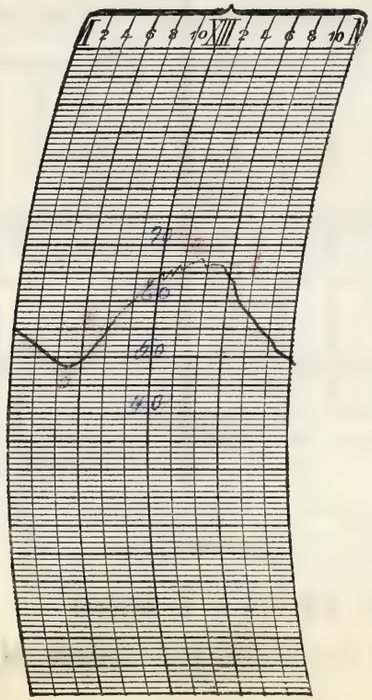
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by ___
Verified by P McDonough

8—486

## NOTES.

A clear day with no rain or snow.
Temperature and wind were normal.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) ..., (Date) MAY - 8 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 45 | 44 | 43 | 42 | 42 | 45 | 50 | 53 | 57 | 60 | 62 | 65 | 67 | 68 | 70 | 68 | 68 | 66 | 64 | 54 | 56 | 55 | 54 | 52 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | Clear | | | | | | | Cloudy | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0 | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | E | E | E | NE | E | E | NE | NE | NE | NE | NE | E | E | E | SE | SE | SE | SE |
| Wind movement | 8 | 8 | 7 | 7 | 8 | 9 | 10 | 8 | 6 | 9 | 9 | 10 | 8 | 8 | 8 | 10 | 9 | 10 | 9 | 8 | 6 | 3 | 4 | 3 |
| Maximum velocities (exceeding ... miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:32 Character, Clear. Moonrise: ...

Sunset: Time, 6:42 Character, Cloudy. Moonset: 10:00a Clear

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

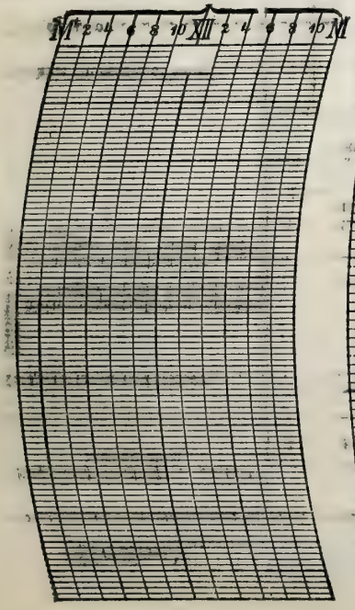
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 70 | 41 | 56 | |

Total depth of snow for 24 hours ending 7 p. m., 6 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, ... inches.
Character of day, Clear Moon phase, ...
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 13.5 Possible sunshine, hours, ...
Per cent of possible sunshine, 95
Prevailing wind direction, NE Total wind 184
Average hourly velocity, 7.7 Extreme velocity, 14
Maximum velocity, 13 Direction, E
Time began, 5:47 p.m.
Reduced barometer, 29.99 a. m. 29.91 p. m.
River gage, 2.4 Feet
Relative humidity, 60 a. m. 39 p. m.

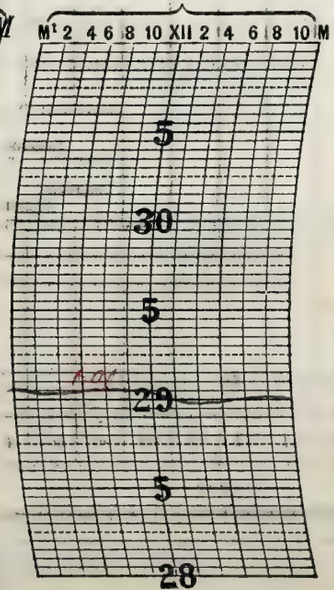
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 63.0 Wet temperature, 52.0
Dew-point, 42 R. humidity, 47 V. pressure, 266
Clouds: Amount, 2; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour) ...

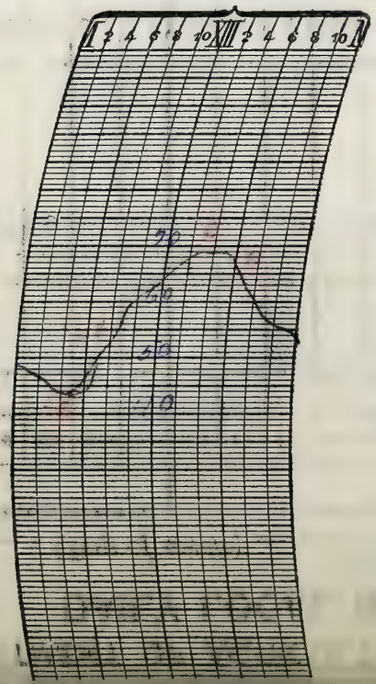
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by ...

Verified by P. McDonough

## NOTES.

Bright moonlight illuminated the night from midnight to dawn, a clear day which opened cool and temperatures moderated with the rising of the sun and by afternoon were rather mild

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

MAY -7 1923

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) ..., 192

Time (local standard). 90 mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 51 | 50 | 48 | 46 | 42 | 46 | 50 | 60 | 63 | 69 | 71 | 73 | 75 | 77 | 77 | 77 | 75 | 73 | 72 | 65 | 60 | 52 | 56 | 56 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | RD 4:00 L-E 8:10 | RD 9:30 | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | T | T | .02 | .03 |
| Cloudiness and other conditions | | | | | — | — | — | Clear | — | — | — | — | — | — | Cldy | Cldy | Cldy | Cldy | Cldy | Cldy | | | | |
| Sunrise: Time, Character, 4:31 Clear. Moonrise: 12:02a | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 6:43 Cloudy. Moonset: 11:02a Clear | | | |
| Sunshine (in tenths of hours) | | | | | .48 0 | 0.2 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0 | | | | | | |
| Wind direction | SE | SE | SE | SE | E | E | SE | SE | S | S | S | SW | SW | SW | SW | SW | SW | SW | S | S | NW | NW | NW | NW |
| Wind movement | 4 | 2 | 1 | 1 | 5 | 3 | 3 | 5 | 6 | 6 | 8 | 10 | 12 | 14 | 17 | 13 | 11 | 7 | 6 | 4 | 2 | 1 | 1 | 1 |
| Maximum velocities (exceeding ... miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

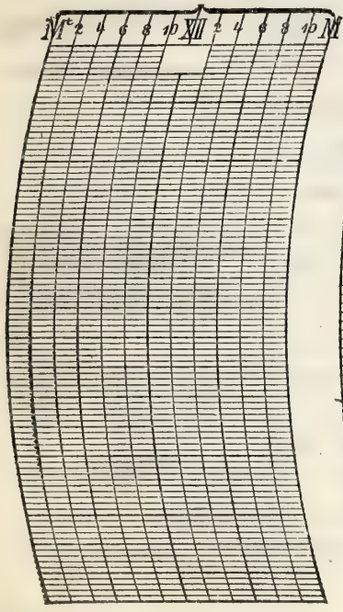
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 78 | 42 | 60 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .12 inches.
Character of day, Pt Cloudy Moon phase, 0 18
Average daily cloudiness (0-10), 4.2
Actual sunshine, hours, 12.3 Possible sunshine, hours, 14.2
Per cent of possible sunshine, 87
Prevailing wind direction, SW Total wind 197
Average hourly velocity, 8.2 Extreme velocity, 28
Maximum velocity, 26 Direction, NW
Time began, 7:34 a.m.
Reduced barometer, 29.41 a. m. 29.46 p. m.
River gage, 4.8 Fall
Relative humidity, 44 a. m. 88 p. m.

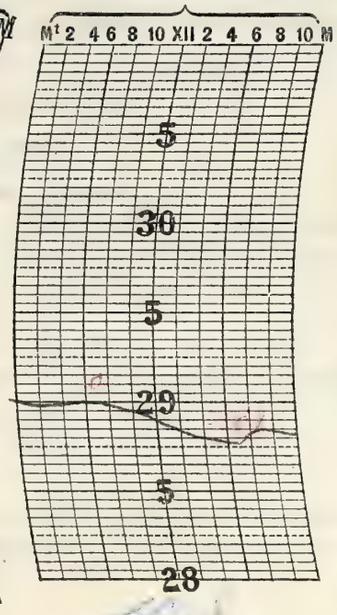
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 72.8 Wet temperature, 56.2
Dew-point, 44 R. humidity, 35 V. pressure, 28.7
Clouds: Amount, Few; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

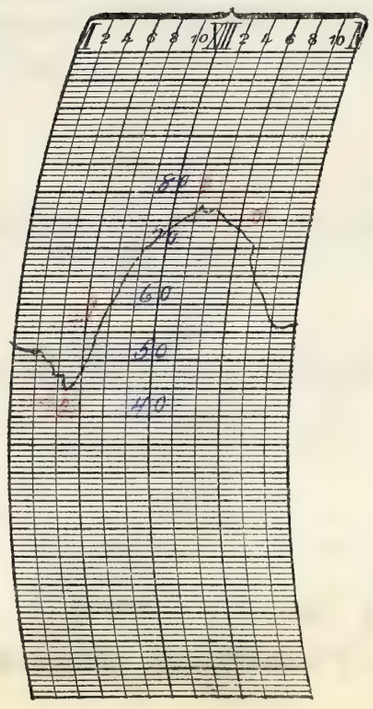
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




NOTES.

Shortest to moonlight forenoon
from moonrise to dawn.
Cloudy day with
moderate to low humidities

Prepared by ...
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(*Station*) Fort Wayne, Ind., (*Day of week*) Tuesday, (*Date*) MAY 8 1923, 192

Time (local standard). ____ mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 46 | 45 | 44 | 42 | 43 | 42 | 43 | 46 | 48 | 49 | 49 | 40 | 37 | 36 | 37 | 38 | 39 | 39 | 40 | 36 | 37 | 36 | 36 | 35 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | RE | | | | | | | 10:30 | | | | | | | | | | | | | |
| Amounts of precipitation | .02 | T | T | .01 | | | | | | | T | .01 | .03 | .02 | .01 | | | .01 | .01 | T | | .01 | .02 | T |
| Cloudiness and other conditions | | | | | Clear | | | | | | | Cloudy | | | | | | | | | | | | |
| Sunrise: Time, 4:13a Character, Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 6:44p Character, Cloudy | | | |
| Moonrise: 12:—m | | | | | | | | | | | | | | | | | | | | | Moonset: 12:—m | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 1.0 | 1.0 | 1.0 | 0.8 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | SW | W | NW | NW | NW | NW | SW | SW | SW | SW | SW | W | NW | W | W | W | W | W | W | W | SW | SW | SW | W |
| Wind movement | 6 | 7 | 7 | 8 | 6 | 4 | 4 | 7 | 10 | 12 | 21 | 24 | 17 | 16 | 12 | 10 | 8 | 9 | 14 | 12 | 11 | 11 | 8 | 8 |
| Maximum velocities (exceeding 20 miles) direction and time | | | | | | | | | | | 24 NW | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

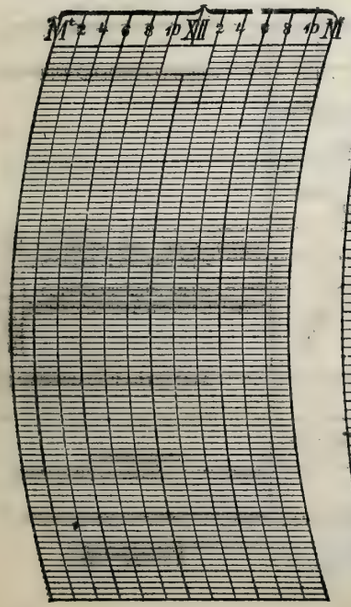
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 60 | 35 | 48 – | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, 0.7 inches.
Precipitation to 7 a. m., .14 ins.; to 7 p. m., .02 ins.
Total precipitation, midnight to midnight, .16 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0–10), 2
Actual sunshine, hours, 11.2 Possible sunshine, hours, 14.2
Per cent of possible sunshine, 80
Prevailing wind direction, SW Total wind 258
Average hourly velocity, 10.8 Extreme velocity, 3
Maximum velocity, 30 Direction, NW
Time began, 11:40a.m.
Reduced barometer, 29.687 a. m. 29.607 p. m.
River gage, 2.8 ft 2.7
Relative humidity, 69 a. m. 84 p. m.

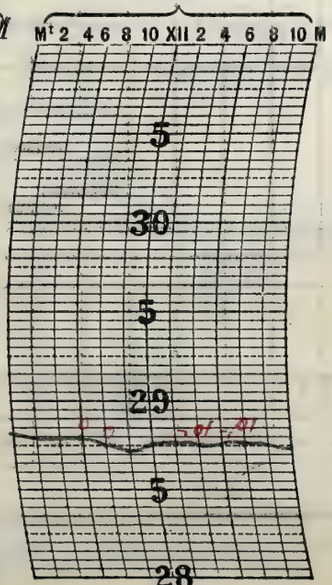
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 40.7 Wet temperature, 39.0
Dew-point, 37 R. humidity, 86 V. pressure, .219
Clouds: Amount, 10; Kind, Nb; Direction, NW
Velocity of clouds (miles per hour)

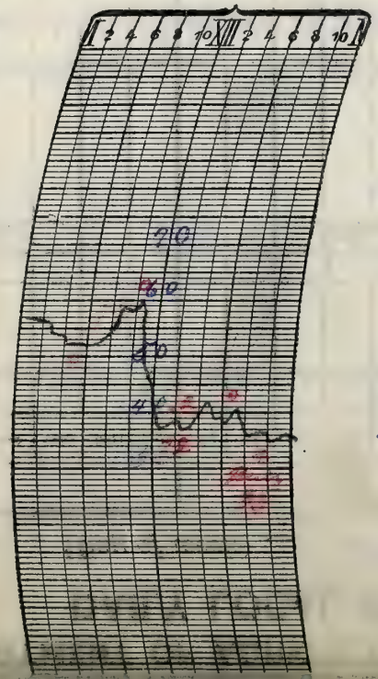
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by
Verified by P. McDonough

## NOTES.

Estimated

A cloudy day with occasional showers except about noon when most of the sun shone through and melting temperatures

A special observation was taken at 1:00 P. M. Eastern Time & Central Time. The amount of precipitation recorded for this station for this month for 24 hrs. and the last snow occurred on this records

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) MAY - 9 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 33 | 33 | 32 | 32 | 32 | 31 | 31 | 31 | 31 | 31 | 30 | 31 | 31 SNE 12:17 | 37 | 37 | 37 | 43 | 42 | 41 | 40 | 38 | 38 | 37 | 37 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | T | T | T | .01 | T | T | T | – | – | – | | – | T | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | 2 | | | | Cloudy | | | | → | × | Pt. Cloudy | × | | Clear | → | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0 | 0.2 | 0 | 0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .43 4.3 | | | | | |
| Wind direction | NW | W | W | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | W | W | W | W |
| Wind movement | 16 | 18 | 14 | 16 | 20 | 24 | 21 | 21 | 18 | 21 | 24 | 21 | 18 | 24 | 27 SW 25? | 28 NW 3:33 | 28 NW 4:13 | 22 | 14 | 13 | 10 | 11 | 10 | 7 |
| Maximum velocities (exceeding 25 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time 4:29, Character Cloudy. Moonrise: 1:32a

Sunset: Time 6:45, Character Clear. Moonset: 1:00p, Cloudy

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

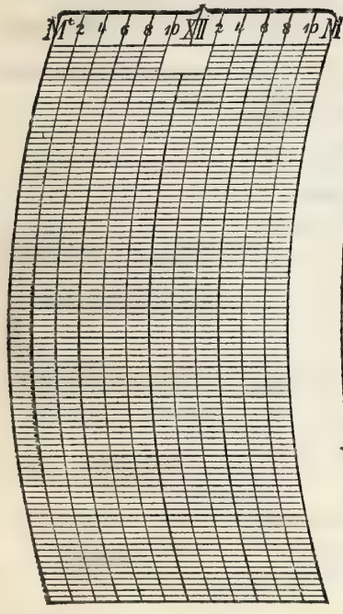
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 43 | 30 | 36 | ✓ |

Total depth of snow for 24 hours ending 7 p. m., 1.1 inches.
Snow, sleet, and hail on ground 7 p. m., 0.6 inches.
Total snowfall, midnight to midnight, 0.8 inches.
Precipitation to 7 a. m., .04 ins.; to 7 p. m., .06 ins.
Total precipitation, midnight to midnight, .07 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 7.2 Possible sunshine, hours, 11.3
Per cent of possible sunshine, 50
Prevailing wind direction, NW Total wind 446
Average hourly velocity, 18.6 Extreme velocity, 37
Maximum velocity, 34 Direction, NW
Time began, 3:53p m
Reduced barometer, 29.1 a. m. 29.20 p. m.
River gage, 2.8 Feet
Relative humidity, a. m. 77 p. m.

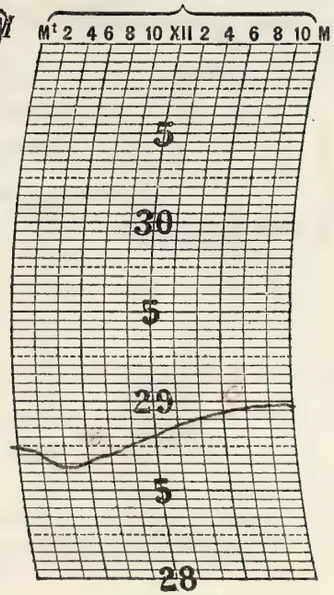
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 32.0 Wet temperature, 31.0
Dew-point, 30 R. humidity, 90 V. pressure, 16.4
Clouds: Amount, 10; Kind, Nb; Direction, NW
Velocity of clouds (miles per hour)

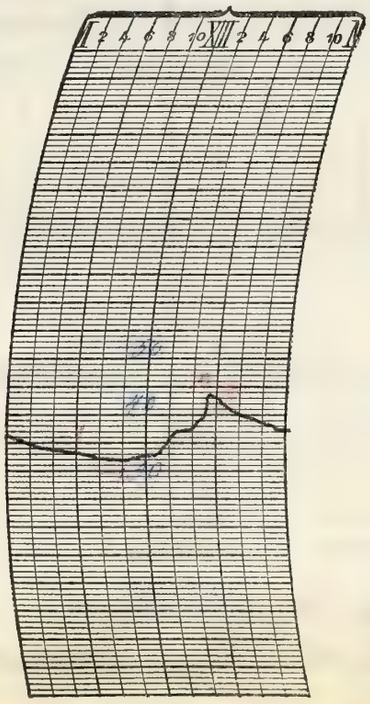
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by C C Os

Verified by C McDonough

8—486

NOTES.

* Tipping bucket removed at 7:00 a.m. Oct

The greatest depth of snow on the ground between 7:00 a.m. and 7:00 p.m. was 1.3 inches. Cloudy and moderately cold day. Light snow and sleet during the entire forenoon. Rain in the early afternoon. The clouds began to break and the sun afternoon and evening was clear and cold.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(*Station*) ....., (*Day of week*) ....., (*Date*) ....., 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 35 | 35 | 34 | 34 | 34 | 35 | 41 | 45 | 49 | 52 | 53 | 55 | 56 | 58 | 58 | 59 | 57 | 57 | 51 | 49 | 50 | 50 | 50 | |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | RB 10:00 RE 10:15 | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | T | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← | Clear | | | | | → | Pt Cldy | Cloudy | Pt Cldy | Clear | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Wind direction | W | W | W | W | W | SW | SW | SW | W | SW | W | SW | SW | SW | SW | SW | SW | SW | SW | SW | S | S | S | S |
| Wind movement | 5 | 5 | 4 | 4 | 5 | 6 | 6 | 6 | 9 | 11 | 13 | 14 | 16 | 14 | 13 | 12 | 10 | 10 | 7 | 8 | 7 | 7 | 7 | |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:28 Character, Clear
Moonrise: 2:04a.m.
Sunset: Time, 6:46 Character, Cloudy
Moonset: 11:57p.m. Cloudy

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

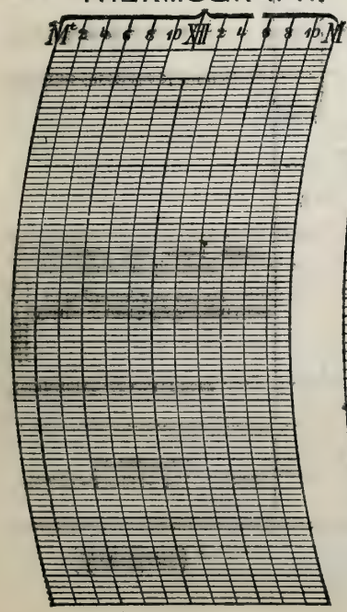
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 60 | 34 | 47 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 13.6 Possible sunshine, hours, 14.3
Per cent of possible sunshine, 95
Prevailing wind direction, SW. Total wind 201
Average hourly velocity, 8.2 Extreme velocity, 22
Maximum velocity, 24 Direction, SW
Time began, 4:17 p.m.
Reduced barometer, 29.92 7 a. m. 29.93 7 p. m.
River gage, 2.7 feet
Relative humidity, 82 7 a. m. 76 7 p. m.

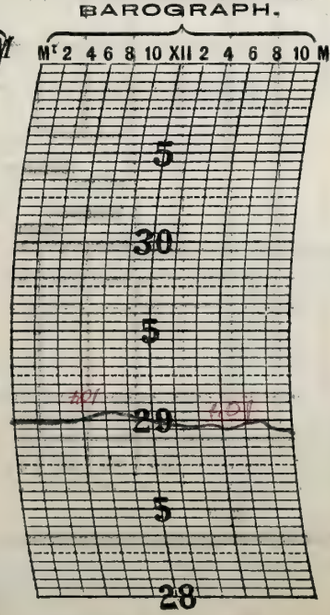
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 57.2 Wet temperature, 48.2
Dew-point, 45 R. humidity, 71 V. pressure, .276
Clouds: Amount, 2; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

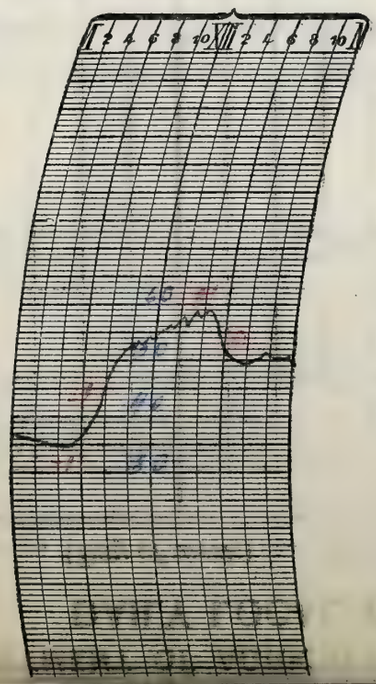
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by .....
Verified by P. McDonough

## NOTES.

Snow on ground at 7:00 a.m. The Kings last received this morning. A stormy day with heavy snowfall.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Friday, (Date) MAY 11 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 49 | 49 | 48 | 47 | 48 | 49 | 52 | 54 | 55 | 54 | 54 | 54 | 54 | 55 | 54 | 54 | 54 | 54 | 55 | 54 | 54 | 53 | 53 | 53 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | T | T | 01 | T | 03 | 02 | 05 | 02 | T | 03 | 02 | 04 | 08 | 10 | 28 | 11 |
| Cloudiness and other conditions | | | | | 2 | | | | Cloudy | | | | | | | Cloudy | | | | | | | → | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | S | S | S | S | S | S | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | S | S | S | N | NE | SE | NE |
| Wind movement | 7 | 8 | 7 | 10 | 10 | 11 | 10 | 2 | 11 | 11 | 9 | 9 | 7 | 5 | 10 | 9 | 6 | 4 | 2 | 3 | 7 | 7 | 8 | 10 |
| Maximum velocities (exceeding 22 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:22 Character, Cloudy
Moonrise: 2:33a
Sunset: Time, 6:42 Character, Cloudy
Moonset: 2:53p Cloudy

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

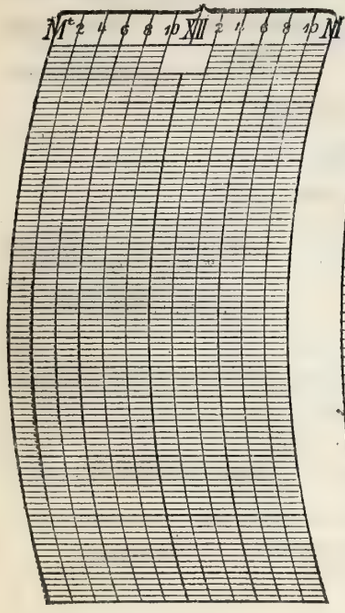
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 55 | 47 | 51 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .15 ins.
Total precipitation, midnight to midnight, .15 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 14.3
Per cent of possible sunshine, 0
Prevailing wind direction, S.W. Total wind 195
Average hourly velocity, 8.1 Extreme velocity, 15
Maximum velocity, 14 Direction, S.W.
Time began, 2:48 a.m.
Reduced barometer, 29.69 a. m. 29.57 p. m.
River gage, 0.9 ft 2a +
Relative humidity, 81 a. m. 95 p. m.

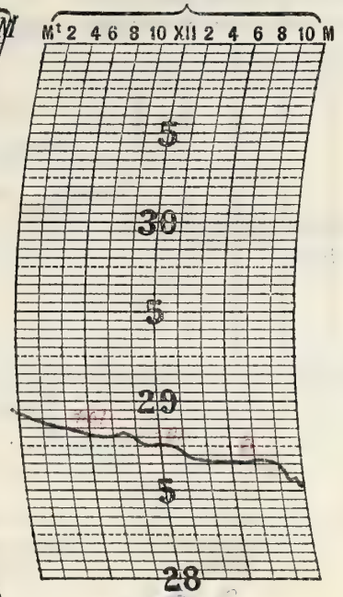
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 54.8 Wet temperature, 53.7
Dew-point, 53 R. humidity, 93 V. pressure, 402
Clouds: Amount, 10; Kind, Nb; Direction, SW
Velocity of clouds (miles per hour)

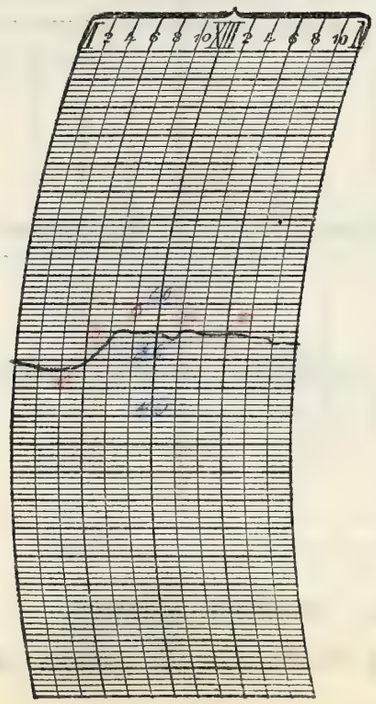
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by
Verified by T. McDonough

8—486

## NOTES.

S. Local 2:00 p.m. 175th Meridian Time
Observation Called for by Chief of Office
A cloudy day with moderate temperature and light S.E. winds
A steady rain of moderate intensity commenced by 1 a.m. and continued from that time without break began at 6:10 p.m. and continued up to midnight

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) _____, (Date) _____, 192

Time (local standard), 90th mer. normal time.

| | A. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 52 | 52 | 52 | 52 | 52 | 52 | 51 | 48 | 44 | 43 | 44 | 42 | 44 | 45 | 46 | 46 | 46 | 47 | 47 | 47 | 43 | 43 | 45 | 44 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | HE 3m | | | | HB 7:28 | | | RE 10:25 | HB 11:12 | | | RE 2:10 | | | | | | | | | |
| Amounts of precipitation | 0m | .26 | .24 | t | | | | T | T | T | 0 | .02 | .02 | T | T | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | Cloudy | | | | | | | Cloudy | | | | *HAZE* | Clear | | | | |

Sunrise: Time, 4:26 Character, Cloudy
Moonrise: 2:22a
Sunset: Time, 6:42 Character, Clear
Moonset: 3:49p Cloudy

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.9 | .42 | | | | | |
| Wind direction | E | NE | N | NE | E | NE | NE | NE | NE | NE | NE | NE | NE | NE | N | N | N | N | N | N | SW | W | W | W |
| Wind movement | 7 | 11 | 9 | 13 | 5 | 9 | 12 | 16 | 11 | 13 | 9 | 15 | 12 | 12 | 8 | 4 | 6 | 5 | 6 | 2 | 6 | 2 | 3 | 1 |

Maximum velocities (exceeding 0 miles) direction and time

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

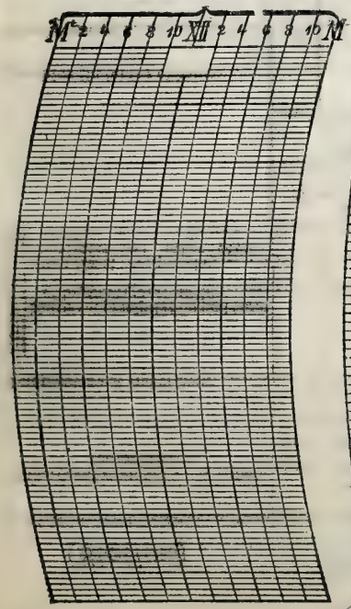
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 47 | | | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .40 ins.; to 7 p. m., .65 ins.
Total precipitation, midnight to midnight, .60 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 1.7 Possible sunshine, hours, 14.4
Per cent of possible sunshine, 12
Prevailing wind direction, NE Total wind, 230
Average hourly velocity, 9.6 Extreme velocity, 23
Maximum velocity, 23 Direction, NE
Time began, 9:01 a.m.
Reduced barometer, 29.45 7 a. m. 29.22 2 p. m.
River gage, 4.4 Fall
Relative humidity, 70 7 a. m. 73 7 p. m.

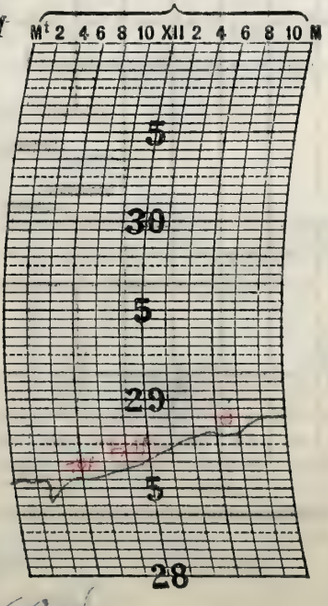
OBSERVATIONS AT 12 NOON,
(Local Mean Time.)

Dry temperature, 42.0 Wet temperature, 42.0
Dew-point, 42 R. humidity, 100 V. pressure, .266
Clouds: Amount, 10; Kind, Nb.; Direction, NE
Velocity of clouds (miles per hour)

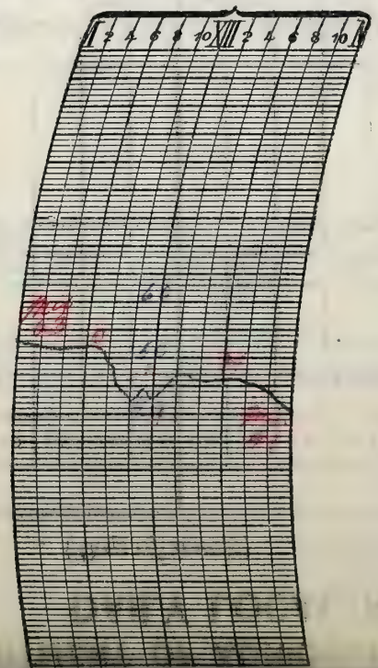
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by _____
Verified by P. McDonough

## NOTES.

Fair Transportation Service Commission on the market for the U. S. Senate Steel Building Exhibit at St. Louis Special 12:06 Noon (75th Meridian Time) Observation called for by the Exhibitor Office Cloudy and dark clear with light rain

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) MAY 13 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 40 | 38 | 38 | 37 | 29 | 40 | 41 | 44 | 47 | 47 | 55 | 61 | 60 | 60 | 61 | 60 | 60 | 58 | 57 | 55 | 51 | 50 | 49 | 47 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← | | Pt Cldy | | × | | Clear | | | | | | Clear | | | | | | | |
| Sunrise: Time, Character, 4:23 Cloudy. Moonrise: 5:32a | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 6:50 Cloudy. Moonset: 4:40p Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0.3 | 1.0 | 1.0 | 1.0 | 1.0 | 0.1 | 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 0.6 | 0.3 | | | | | |
| Wind direction | W | NW | NW | NE | NW | NE | NE | E | E | E | SE | S | S | SW | SW | SW | S | S | SE | SE | SE | SE | SE | SE |
| Wind movement | 5 | 3 | 5 | 6 | 3 | 5 | 7 | 6 | 5 | 4 | 5 | 6 | 7 | 6 | 5 | 5 | 6 | 4 | 1 | 3 | 4 | 5 | 4 | 4 |
| Maximum velocities (exceeding 25 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

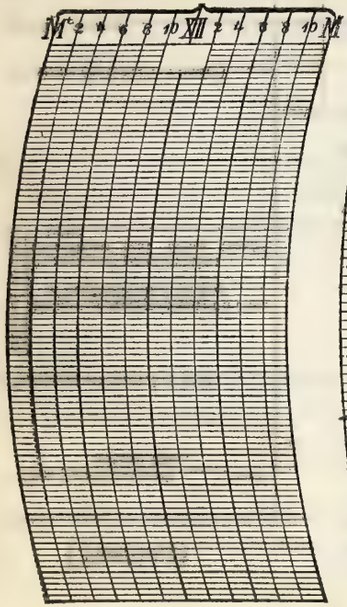
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 61 | 37 | 49 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 12.3 Possible sunshine, hours, 14.4
Per cent of possible sunshine, 85
Prevailing wind direction, SE Total wind 121
Average hourly velocity, 5.0 Extreme velocity, 19
Maximum velocity, 19 Direction, S
Time began, 12:57 P.M.
Reduced barometer, 30.01 7 a. m. 30.04 3 p. m.
River gage, 8.9 feet.
Relative humidity, 22 7 a. m. 56 3 p. m.

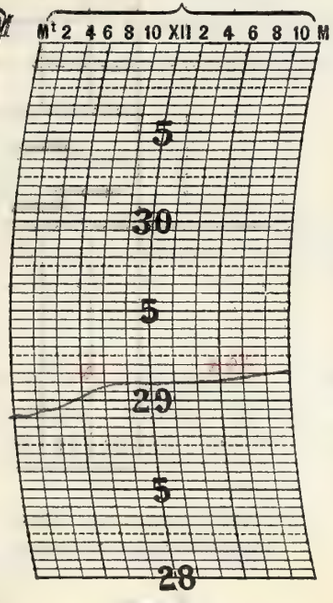
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 56.0 Wet temperature, 47.2
Dew-point, 38 R. humidity, 51 V. pressure, 228
Clouds: Amount, 3; Kind, Cu.; Direction, NW
Velocity of clouds (miles per hour)

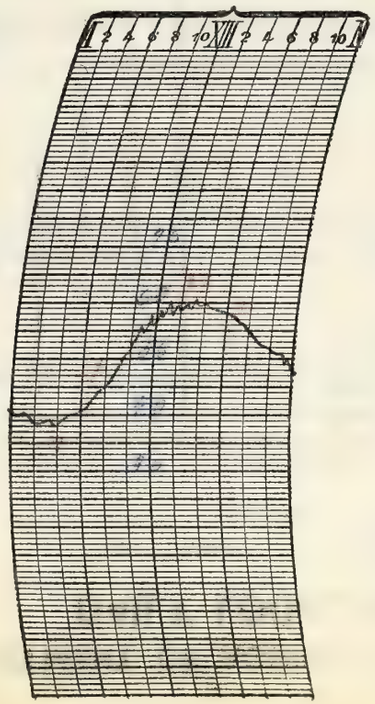
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by

Verified by F. McDonough

8—486

## NOTES.

Heavy frost occurred this morning. Clear and cool day with slowly rising temperature.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wingate N.M., (Day of week) Monday, (Date) MAY 14 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 46 | 43 | 42 | 43 | 42 | 47 | 51 | 53 | 57 | 58 | 60 | 62 | 64 | 65 | 66 | 66 | 66 | 60 | 60 | 53 | 49 | 48 | 48 | 47 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | RB 3:40 | | ME 5:10 | | RB 7:39 | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | T | T | T | | .01 | .06 | .15 | .19 | .15 |
| Cloudiness and other conditions | | | | | | | | Pt. Cloudy | | | | | | | | Cloudy | | | | | | | | |
| Sunrise: Time, Character, Moonrise: | Sunrise: 4:24 Cloudy; Moonrise: 4:01 a | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, Moonset: | Sunset: 6:35 Cloudy; Moonset: 5:41 P Cloudy | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0.5 | 1.0 | 1.0 | 1.0 | 0 | 0 | 1.0 | 1.0 | 1.0 | 1.0 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | E | E | E | SE | SE | SE | SE | SE | SE | SE | S | S | SE | SE | SE | SE | SE | E | E | E | E | E | E | E |
| Wind movement | 4 | 4 | 3 | 3 | 4 | 6 | 8 | | | | | 9 | 12 | 10 | 8 | 8 | 6 | 11 | 11 | 12 | 14 | 16 | 17 | 13 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

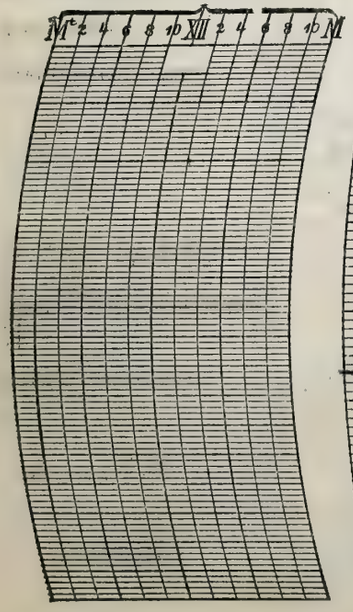
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 66 | 42 | 54 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .56 ins.
Total precipitation, midnight to midnight, .56 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 9.5 Possible sunshine, hours, 14.4
Per cent of possible sunshine, 66
Prevailing wind direction, SE Total wind 211
Average hourly velocity, 8.8 Extreme velocity, 22
Maximum velocity, 20 Direction, E
Time began, 11:11 p.m.
Reduced barometer, 30.15 7 a. m. 27.72 7 p. m.
River gage, 8.8 Feet
Relative humidity, 60 7 a. m. 66 7 p. m.

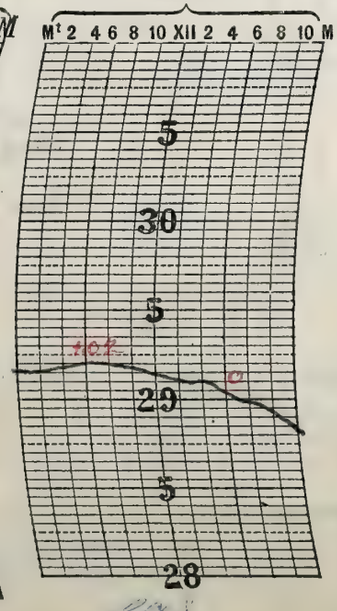
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 63.1 Wet temperature, 54.2
Dew-point, 47 R. humidity, 56 V. pressure, 32.2
Clouds: Amount, 7; Kind, Ast; Direction, W
Velocity of clouds (miles per hour)

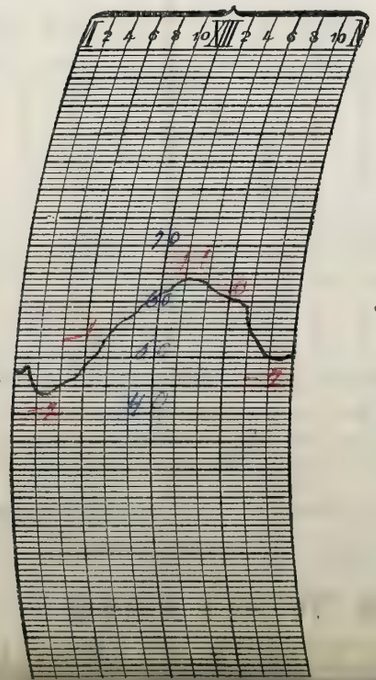
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by
Verified by F. McDonough

## NOTES.

Cloudy Sunday day with showers Temperatures about same as Saturday Rain in the early morning and rain at night

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) MAY 16 1922, 192

Time (local standard), ____ mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 52 | 58 | 57 | 57 | 60 | 60 | 61 | 63 | 65 | 66 | 67 | 67 | 69 | 68 | 68 | 67 | 66 | 66 | 66 | 66 | 64 | 63 | 64 | 63 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | RD 10:30 RE 10:42 | RD 11:27 RE 11:43 | | RD 1:30 | | | | RE 5:10 | | | | | | |
| Amounts of precipitation | .26 | .50 | .19 | .07 | T | .04 | .03 | T | | | | T | | T | .01 | .01 | .02 | T | | | | | | |
| Cloudiness and other conditions | | | | | | | | Cloudy | | | | | | | Cloudy | | | | | | | | | |
| Sunrise: Time, Character, 4:23 Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 6:32 Cloudy | | | |
| Moonrise: 4:13 a. m. Cloudy | | | | | | | | | | | | | | | | | | | | | Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0.3 | 1.0 | 1.0 | 1.0 | 0.8 | 1.0 | 1.0 | 0.6 | 0.2 | 0 | | 0 | | | | | |
| Wind direction | E | E | E | NE | SW | S | S | S | S | SW | SW | SW | SW | SW | SW | S | SW | S | S | S | S | S | S | S |
| Wind movement | 11 | 10 | 7 | 6 | 8 | 8 | 9 | 12 | 18 | 16 | 17 | 17 | 19 | 15 | 12 | 14 | 10 | 6 | 8 | 10 | 12 | 12 | 12 | 12 |
| Maximum velocities (exceeding ____ miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

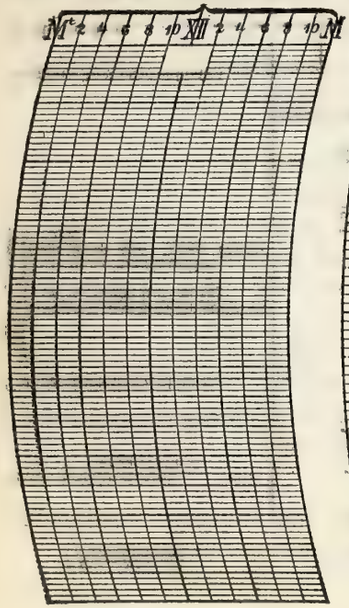
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 69 | 49 | 59 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .65 ins.; to 7 p. m., .44 ins.
Total precipitation, midnight to midnight, 1.09 inches.
Character of day, Cloudy Moon phase, New 4:38 p.m.
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 6.9 Possible sunshine, hours, 14.5
Per cent of possible sunshine, 48
Prevailing wind direction, ____ Total wind 2.81
Average hourly velocity, 11.7 Extreme velocity, 24
Maximum velocity, 23 Direction, SW
Time began, 10:11 a.m.
Reduced barometer, 29.55 7 a. m. 29.48 7 p. m.
River gage, 13.0 Feet.
Relative humidity, 77 7 a. m. 85 7 p. m.

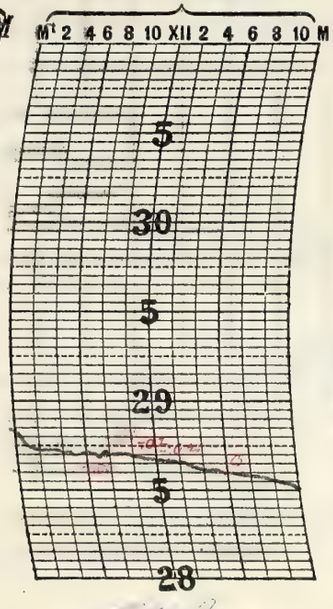
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 62.8 Wet temperature, 64.0
Dew-point, 62 R. humidity, 92 V. pressure, .303
Clouds: Amount, 9; Kind, St Cu; Direction, SW
Velocity of clouds (miles per hour)

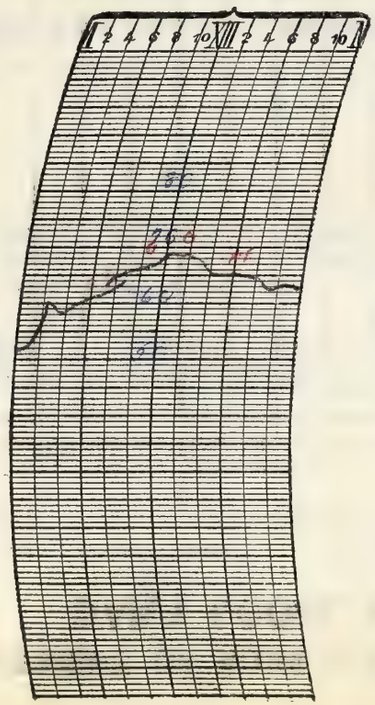
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by ____
Verified by F. McDonough

8—486

## NOTES.

An area of low pressure is central in extreme southeastern Kansas this morning. The center of this area is apparently moving northeastward and is accompanied by rain in the Mississippi Valley and in southern and eastern districts. Elsewhere it is cloudy with local showers. River stage at 5 p.m. 13.5 feet. It is a cool day with moderate temperatures and intermittent rain.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) May 16 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 62 | 61 | 60 | 60 | 60 | 56 | 47 | 46 | 45 | 46 | 46 | 46 | 44 | 43 | 44 | 44 | 45 | 47 | 48 | 44 | 44 | 43 | 42 | 42 |
| State of weather. Nature of precipitation and time of beginning and ending | RB 0h/h | | | | | | RE 6:20 | RB 7:44 | RE 8:31 | | | | RB 12:15 | | | | | RE 5:25 | | | | | | |
| Amounts of precipitation | T | .04 | .02 | .06 | .01 | T | .01 | T | T | | | | T | T | T | T | T | T | | | | | | |
| Cloudiness and other conditions | Cloudy | | | | | | | | | | | | Cloudy | | | | | | | | | | | |

Sunrise: Time, 4:22 Character, Cloudy
Moonrise: 5:10a.m. Cloudy
Sunset: Time, 6:52 Character, Cloudy
Moonset: 2:33p.m. Cloudy

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | S | S | S | S | S | SW | SW | SW | SW | W | W | W | W | W | NW | NW | NW | NW | NW | NW | W | W | SW | SW |
| Wind movement | 10 | 10 | 8 | 10 | 11 | 16 | 19 | 23 | 21 | 17 | 17 | 20 | 19 | 23 | 25 | 22 | 21 | 21 | 18 | 13 | 8 | 5 | 4 | 3 |
| Maximum velocities (exceeding ___ miles) direction and time | | | | | | | | | | | | | | | | 32 NW 3:44 | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

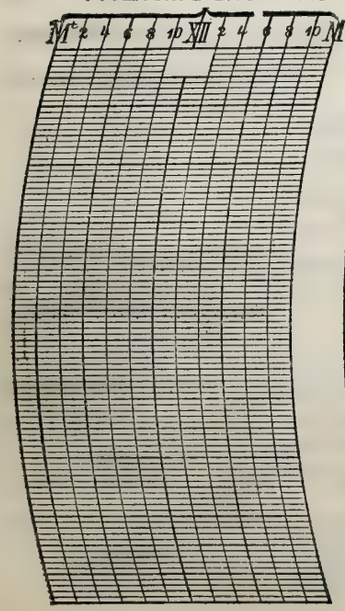
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 63 | 42 | 52 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .14 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .14 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 14.3
Per cent of possible sunshine, 0
Prevailing wind direction, W Total wind 385
Average hourly velocity, 16.0 Extreme velocity, 57
Maximum velocity, 32 Direction, NW
Time began, 4:47 p.m.
Reduced barometer, 29.32 7 a. m. 29.23 7 p. m.
River gage, 16.7 Feet.
Relative humidity, 90 7 a. m. 55 7 p. m.

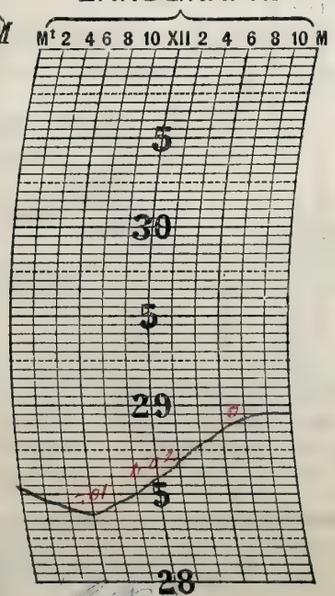
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 44.7 Wet temperature, 44.1
Dew-point, 44 R. humidity, 95 V. pressure, 287
Clouds: Amount, 10; Kind, St; Direction, W
Velocity of clouds (miles per hour)

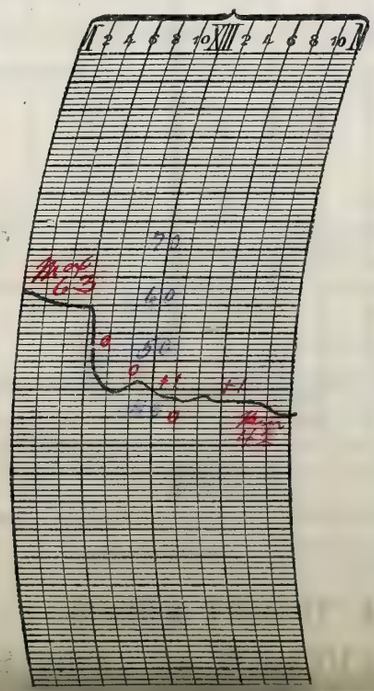
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by
Verified by P. McDonough

## NOTES.

Excessive wetness of the Upper air over Chicago, slightly above 17.0 feet by Pilot Ballons.
Pressure 2:00 p.m. (75th Meridian Time) Pressure Pattern called for by the Weather Bureau.
A cloudy day with showers, following Thunderstorms and heavy Rainfall

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Thursday, (Date) MAY 17 1923, 192

Time (local standard) 90 mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 41 | 40 | 40 | 41 | 42 | 45 | 48 | 52 | 54 | 56 | 58 | 59 | 61 | 62 | 63 | 62 | 61 | 60 | 1.0 | 56 | 54 | 53 | 52 | 52 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← Cloudy → | | | | | | | | ← Clear → | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0.2 | 0 | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.5 | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W |
| Wind movement | 9 | 8 | 6 | 11 | 9 | 10 | 10 | 9 | 13 | 12 | 11 | 13 | 13 | 14 | 13 | 13 | 11 | 11 | 6 | 3 | 2 | 3 | 4 | 4 |

Sunrise: Time 4:21 Character Clear; Moonrise: 9:50a Clear

Sunset: Time 6:53 Character Clear; Moonset: 8:35p Clear

Maximum velocities (exceeding 22 miles) direction and time

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

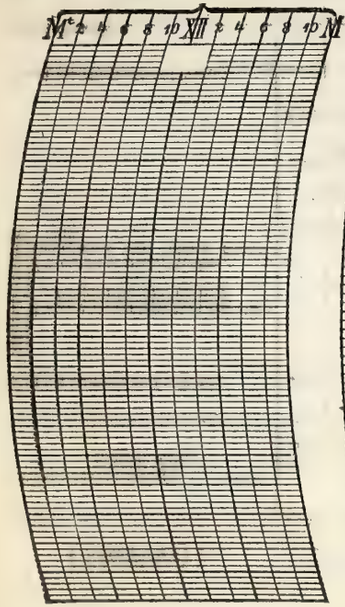
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 63 | 40 | 52 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .38 ins.
Total precipitation, midnight to midnight, .38 inches.
Character of day, Partly Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 11.9 Possible sunshine, hours, 14.5
Per cent of possible sunshine, 82
Prevailing wind direction, NW Total wind 215
Average hourly velocity, 9.0 Extreme velocity, 18
Maximum velocity, 18 Direction, NW
Time began, 12:41 p.m.
Reduced barometer, 29.68 7 a. m. 29.28 7 p. m.
River gage, 12.4 Feet
Relative humidity, 80 7 a. m. 47 7 p. m.

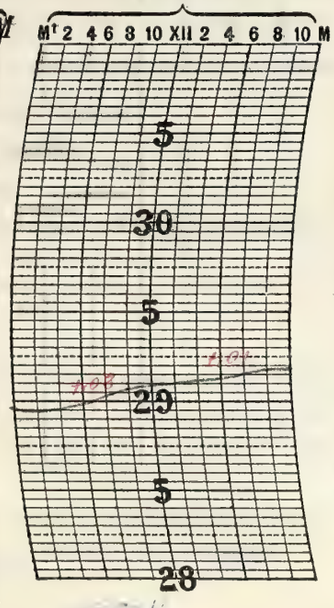
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 60.0 Wet temperature, 49.0
Dew-point, 34 R. humidity, 44 V. pressure, 248
Clouds: Amount, 1; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

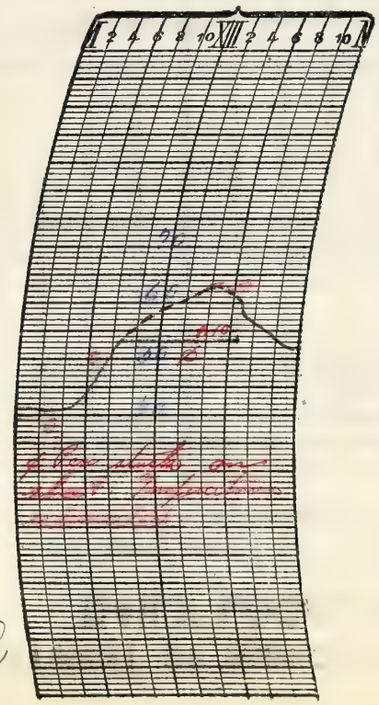
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by

Verified by P. M. Donough

8—486

## NOTES.

A gasoline steam engine and pump was used to pump water from the Columbia Street Bridge in the afternoon and installed on the Anthony Boulevard Bridge.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) ....., (Day of week) ....., (Date) ....., 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 50 | 47 | 42 | 42 | 49 | 57 | 62 | 63 | 68 | 68 | 67 | 65 | 68 | 68 | 67 | 65 | 64 | 62 | 64 | 62 | 61 | 60 | 60 | 59 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | 2 | Cloudy | | | Pt. Cloudy | | | | | | | Cloudy | | | Pt. Cloudy | | | | | |
| Sunrise: Time, Character, 4:20 Cloudy. Moonrise: 6:36a Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 6:54 Cloudy. Moonset: 9:20p Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Wind direction | E | E | E | E | O | E | SE | S | S | SW | SW | SW | SW | S | S | S | S | S | S | S | S | S | S | S |
| Wind movement | 3 | 2 | 1 | 2 | 0 | 2 | 4 | 6 | 4 | 3 | 2 | 2 | 1 | 4 | 8 | 6 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

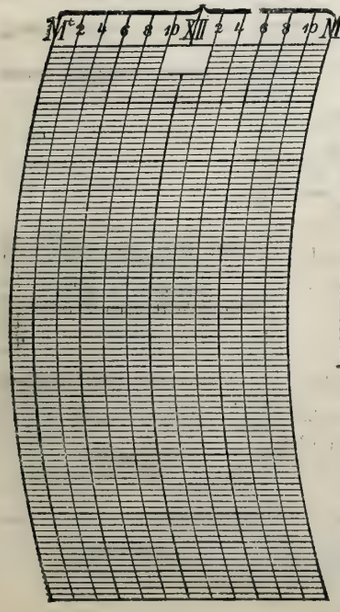
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 68 | 47 | 57 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase, .....
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 2.4 Possible sunshine, hours, 14.6
Per cent of possible sunshine, 51
Prevailing wind direction, S Total wind 1112
Average hourly velocity, 4.8 Extreme velocity, 12
Maximum velocity, 12 Direction, SW
Time began, 1:10 p.m.
Reduced barometer, 30.10 7 a. m. 30.09 7, p. m.
River gage, 16.1 Feet
Relative humidity, 75 7 a. m. 20 7 p. m.

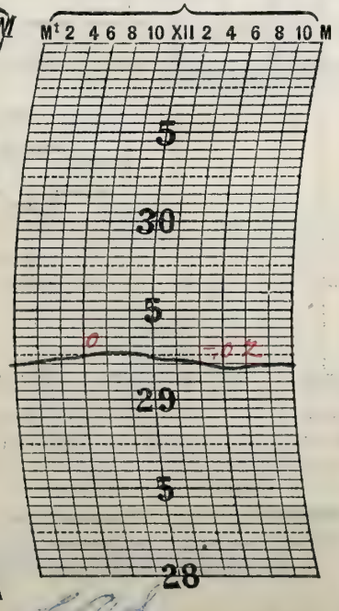
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 68.0 Wet temperature, 55.0
Dew-point, 47 R. humidity, 53 V. pressure, .323
Clouds: Amount, 7; Kind, Cu; Direction, NW.
Velocity of clouds (miles per hour)

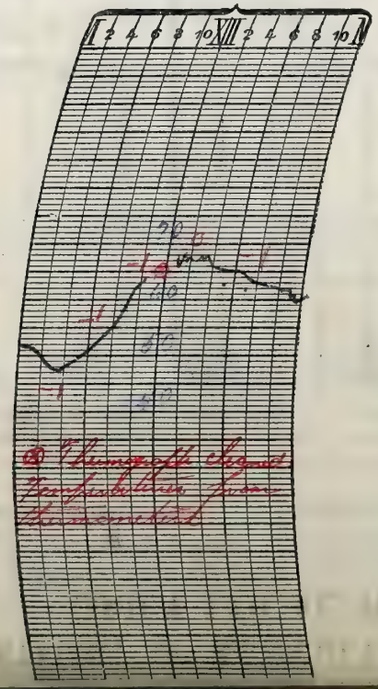
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by .....
Verified by .....

NOTES.

Elevation not being determined for the new location of the river gage, the river height was obtained from the painted gage on the east abutment of the Columbia Street Bridge.

A cloudy day with cloudy morning & afternoon thunderstorms.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) ..... (Day of week) ..... (Date) ..... MAY 19 1923 ....., 192

Time (local standard). 90th mer. normal time.

| | A. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 59 | 58 | 58 | 57 | 56 | 57 | 59 | 64 | 66 | 68 | 65 | 64 | 68 | 72 | 74 | 75 | 73 | 72 | 70 | 70 | 70 | 68 | 68 | 68 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | RB 7:30 RE 10:15 | RE 10:15 | RB 11:20a RE 11:55a | | | | | | | | RB 7:45 | | | RE 10:05 | |
| Amounts of precipitation | | | | | | | | | | .03 | 0 | .48 | | | | | | | | .01 | T | .21 | T | |
| Cloudiness and other conditions | | | | | ← Clear → | | Pt Cloudy → | | | Cloudy → | | | ← Cloudy → | | Pt Cloudy → | | ← Cloudy → | | | | | | | |
| Sunrise: Time, Character, 4:19 Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 6:55 Cloudy | | | |
| Moonrise: 2:26a Cloudy | | | | | | | | | | | | | | | | | | | | | Moonset: 10:20p Cloudy | | | |
| Sunshine (in tenths of hours) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.5 | 1.0 | | | | |
| Wind direction | S | S | S | S | S | E | E | SE | SE | S | S | S | SE | SE | SE | SE | SE | SE | SE | SE | SE | S | S | S |
| Wind movement | 2 | 3 | 3 | 3 | 2 | 3 | 4 | | 4 | | | 8 | 6 | 10 | 12 | 12 | 11 | 10 | 10 | 12 | 12 | 9 | 8 | 11 |
| Maximum velocities (exceeding 22 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

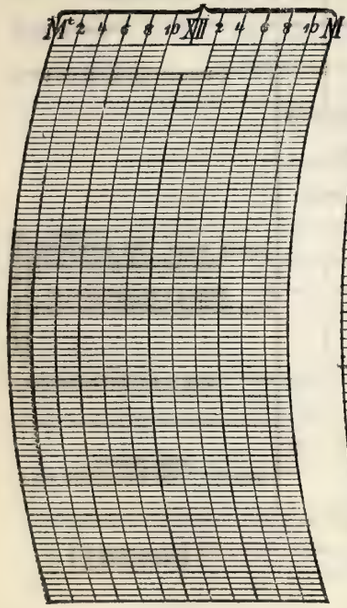
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 75 | 56 | 66 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .0 ins.; to 7 p. m., .12 ins.
Total precipitation, midnight to midnight, .12 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 9.2 Possible sunshine, hours, 14.6
Per cent of possible sunshine, 66
Prevailing wind direction, SE & S Total wind 175
Average hourly velocity, 7.3 Extreme velocity, 14
Maximum velocity, 13 Direction, S
Time began, 9:10 p.m.
Reduced barometer, 30.00 7 a. m. 29.94 7, p. m.
River gage, 13.7 Fall
Relative humidity, 80 7 a. m. 82 7 p. m.

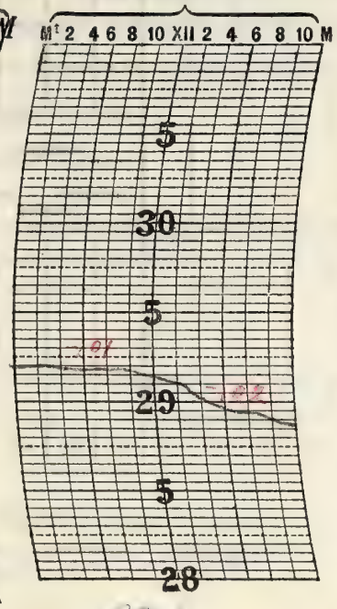
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 62.2 Wet temperature, 60.5
Dew-point, 60 R. humidity, 91 V. pressure, 30.17
Clouds: Amount, 10; Kind, NS; Direction, W
Velocity of clouds (miles per hour)

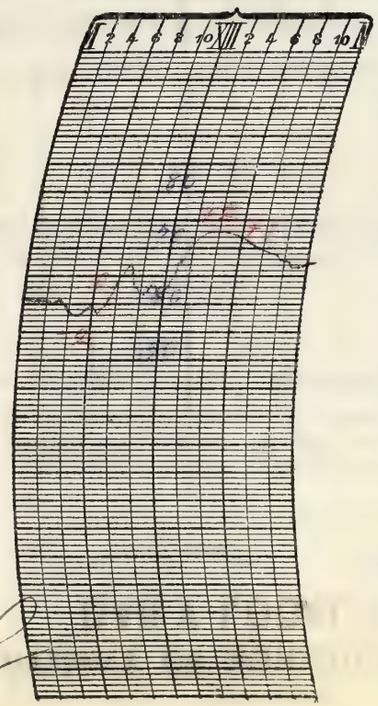
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by .....
Verified by P. McDonough

8—486

## NOTES.

The wave was unsteady as from the Southeast quadrant to the east quadrant of the Columbia St. Louis & Cincinnati was from variable to Northwest or Northerly Wind a gradually storm day with mixed temperature a thunderstorm of moderate intensity accompanied by rain light precipitation began at 4:20 p.m. and ended at 5:15 p.m. The storm moved from the East

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) MAY 20 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 68 | 67 | 67 | 66 | 66 | 67 | 68 | 67 | 69 | 69 | 66 | 65 | 62 | 63 | 66 | 62 | 61 | 59 | 60 | 58 | 56 | 55 | 54 | 53 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← | | | | Cloudy | | | | Cloudy | | | | | | Cloudy | | | | | |
| Sunshine (in tenths of hours) | | | | | .70 0 | 0.2 0.8 | 0.8 | 0.6 | 1.0 | 0.9 | | | 1.0 | 0.7 | 0.9 | 1.0 | 1.0 | 0.5 | 0 | | | | | |
| Wind direction | S | SW | SW | SW | SW | SW | SW | SW | SE | | | | W | W | NW | NW | NW | NW | NW | N | NW | N | N | N |
| Wind movement | 11 | 14 | 15 | 15 | 16 | 15 | 16 | 17 | 16 | 16 | 17 | 20 | 21 | 15 | 18 | 19 | 18 | 16 | 15 | 11 | 10 | 8 | 9 | 6 |
| Maximum velocities (exceeding 22 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:18 Character, Clear
Moonrise: 8:20a Cloudy
Sunset: Time, 6:56 Character, Cloudy
Moonset: 10:55p

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

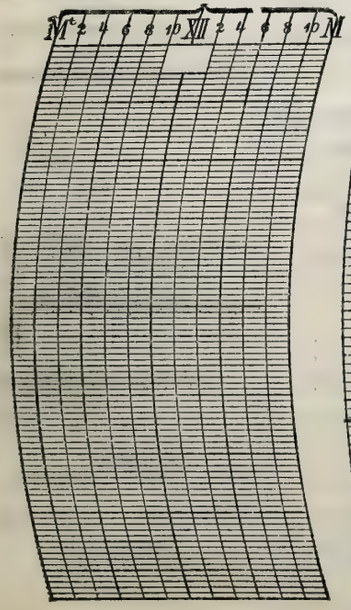
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 69 | 53 | 61. | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .02 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .02 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 8
Actual sunshine, hours, 10.4 Possible sunshine, hours, 14.6
Per cent of possible sunshine, 85
Prevailing wind direction, SW. Total wind 354
Average hourly velocity, 14.8 Extreme velocity, 27
Maximum velocity, 25 Direction, NW.
Time began, 12:48pm.
Reduced barometer, 29.0 7 a. m. 29.0 2 p. m.
River gage, 10.9 Fall
Relative humidity, 82 7 a. m. 85 7 p. m.

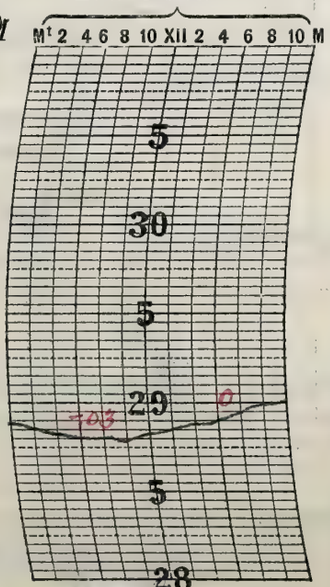
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 65.9 Wet temperature, 58.4
Dew-point, 54 R. humidity, 64 V. pressure, 417
Clouds: Amount, 8; Kind, Cu.; Direction, SW.
Velocity of clouds (miles per hour)

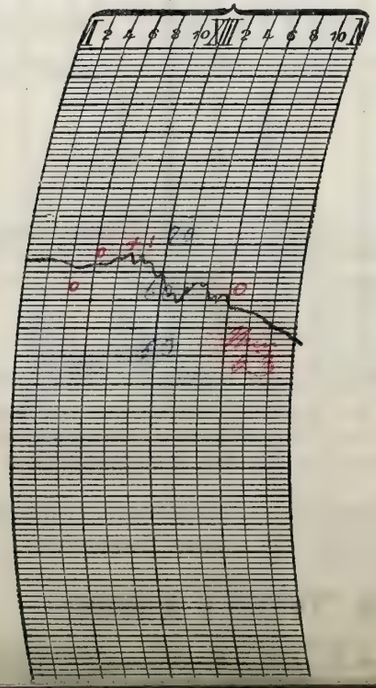
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by
Verified by J. McDonough

## NOTES.

A storm developed with heavy thunderstorms and was severe locally over the southern part of Indiana on the afternoon of the 19th. Heavy rains were not being completed.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) MAY 21 1923, 192

Time (local standard), 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 51 | 49 | 47 | 46 | 46 | 47 | 49 | 52 | 54 | 55 | 56 | 57 | 59 | 61 | 63 | 61 | 60 | 58 | 58 | 54 | 53 | 51 | 49 | 48 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | 2 | | 2 Cloudy | | | | | | 4 Cloudy → | | | | | | | 1 Clear → | | | | |
| Sunrise: Time, 4:18 Character, Clear | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 6:57 Character, Clear | | | |
| Moonrise: 9:12 p | | | | | | | | | | | | | | | | | | | | | Moonset: 11:34 p | | | |
| Sunshine (in tenths of hours) | | | | | .30 0.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .75 0.2 | | | | | |
| Wind direction | N | N | N | N | N | N | N | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | E |
| Wind movement | 7 | 7 | 7 | 7 | 6 | 7 | 8 | 7 | 8 | 8 | 9 | 8 | 8 | 10 | 9 | 9 | 11 | 11 | 10 | 12 | 11 | 8 | 8 | 7 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

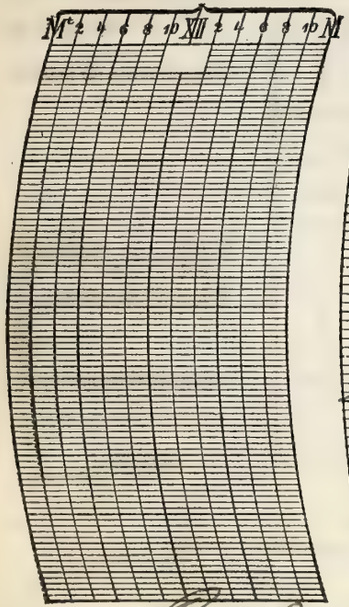
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 63 | 46 | 54 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy. Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 14.6 Possible sunshine, hours, 14.6
Per cent of possible sunshine, 100
Prevailing wind direction, NE Total wind 206
Average hourly velocity, 8.6 Extreme velocity, 15
Maximum velocity, 14 Direction, NE
Time began, 4:34 pm
Reduced barometer, 30.06 7 a. m. 30.08 7 p. m.
River gage, ⊗ 9.0 Feet
Relative humidity, 72 7 a. m. 62 7 p. m.

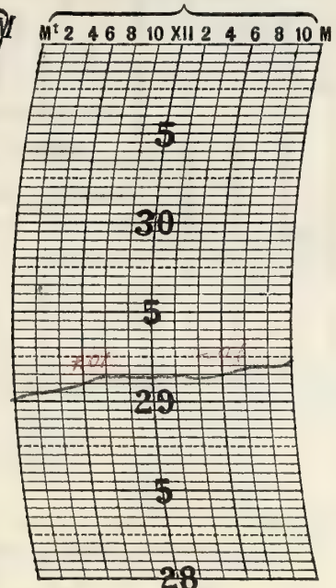
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 56.7 Wet temperature, 51.2
Dew-point, 47 R. humidity, 64 V. pressure, 322
Clouds: Amount, 4; Kind, Cu; Direction, NE
Velocity of clouds (miles per hour)

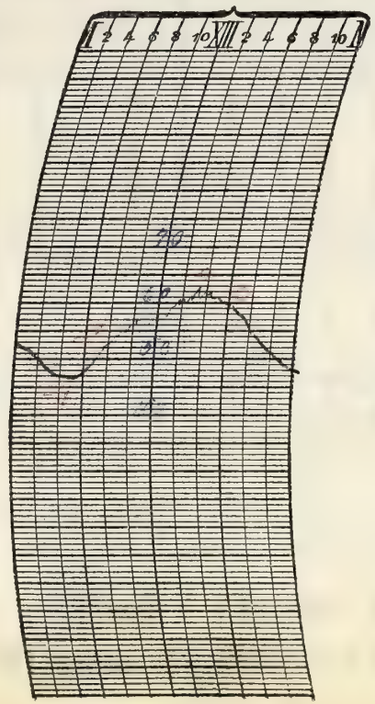
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by C. O. S. & E. Med.
Verified by C. McDonough

8—486

NOTES. ⊗ Estimated from flooded gage.

Heavy frost occurred this morning.
Generally partly Cloudy and Cool weather.
Completed work on Anthony Boulevard
river gage in afternoon.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) MAY 22 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 46 | 46 | 44 | 44 | 43 | 45 | 46 | 47 | 51 | 53 | 55 | 57 | 59 | 60 | 59 | 58 | 57 | 56 | 55 | 54 | 53 | 53 | 52 | 51 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | L | Cloudy | | | | | | | X | Cloudy | | | | | | | > | | | | |

Sunrise: Time, 4:17 Character, Cloudy
Moonrise: 10:21a

Sunset: Time, 6:58 Character, Cloudy
Moonset:

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sunshine (in tenths of hours) | | | | | 0 | 08 | 10 | 08 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 02 | 0 | 0 | 0 | | | | | |
| Wind direction | E | E | E | E | NE | NE | NE | E | E | E | E | E | E | NE | E | NE | NE | E | E | NE | NE | NE | NE | NE |
| Wind movement | 6 | 7 | 6 | 5 | 7 | 10 | 11 | 13 | 12 | 16 | 17 | 16 | 16 | 17 | 17 | 18 | 16 | 14 | 10 | 12 | 12 | 11 | 11 | 11 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

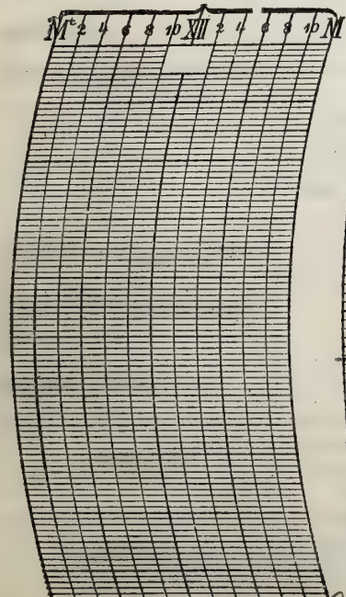
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 60 | 43 | 52 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 9.8 Possible sunshine, hours, 14.7
Per cent of possible sunshine, 67
Prevailing wind direction, E Total wind 291
Average hourly velocity, 12.1 Extreme velocity, 24
Maximum velocity, 24 Direction, NE
Time began, 1:25 P.M.
Reduced barometer, 30.24 a. m. 30.23 p. m.
River gage, 6.0
Relative humidity, 78 7 a. m. 61 7 p. m.

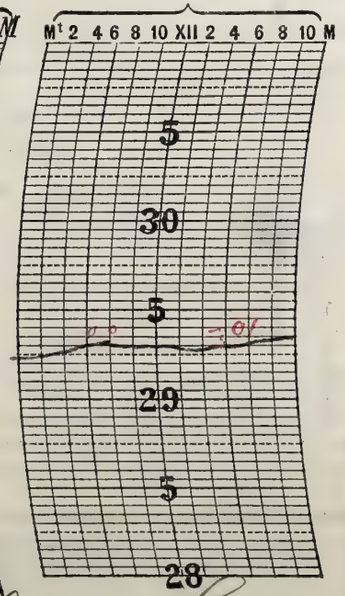
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 57.1 Wet temperature, 49.9
Dew-point, 44 R. humidity, 60 V. pressure, 287
Clouds: Amount, 9; Kind, C.St.; Direction, W
Velocity of clouds (miles per hour)

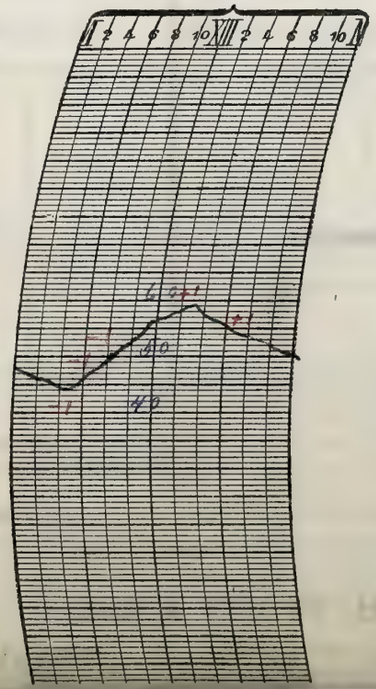
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by P. McDonough
Verified by P. McDonough

NOTES.

The first river observation at Anthony Boulevard was made this morning. Cloudy, cool, and unpleasant weather.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) MAY 23 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 49 | 48 | 47 | 47 | 46 | 48 | 50 | 54 | 57 | 59 | 60 | 62 | 63 | 63 | 63 | 62 | 61 | 59 | 58 | 54 | 51 | 50 | 48 | 47 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | L | | | | | | Clear | | | | | | | X Pk Cldy | | | | | |
| Sunrise: Time, Character, 4:16 Clear | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 6:57 Clear | | | |
| Moonrise: 11:26 Low | | | | | | | | | | | | | | | | | | | | | Moonset: 12:44 | | | |
| Sunshine (in tenths of hours) | | | | | .73 0 | .04 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .3 0.7 | .98 0 | | | | | |
| Wind direction | NE | E | NE | NE | NE | NE | E | E | E | E | E | NE | NE | NE | NE | NE | E | E | E | E | E | E | E | NE |
| Wind movement | 11 | 8 | 7 | 10 | 12 | 12 | 13 | 17 | 19 | 20 | 22 | 22 | 21 | 20 | 21 | 17 | 17 | 15 | 11 | 10 | 9 | 9 | 7 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | 30 NE 10:50 | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

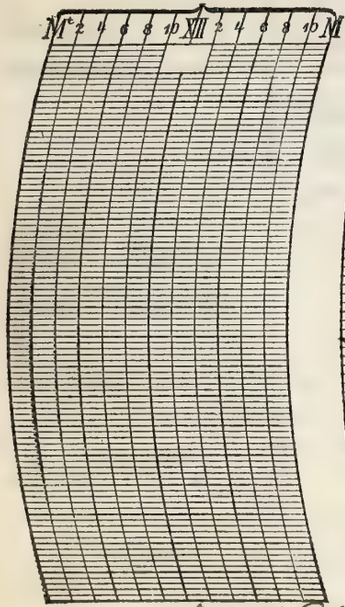
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 64 | 46 | 55 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase F.Q. - 8:25 am.
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 14.7 Possible sunshine, hours, 14.7
Per cent of possible sunshine, 100
Prevailing wind direction, E Total wind 339
Average hourly velocity, 14.1 Extreme velocity, 31
Maximum velocity, 30 Direction, NE
Time began, 10:50 am
Reduced barometer, 30.33 7 a. m. 30.28 7 p. m.
River gage, 4.5
Relative humidity, 74 7 a. m. 44 7 p. m.

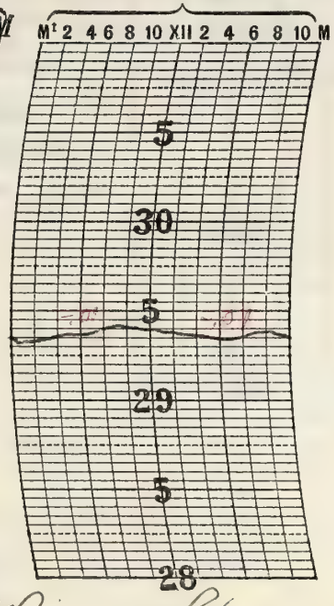
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 62.1 Wet temperature, 49.9
Dew-point, 38 R. humidity, 40 V. pressure, .228
Clouds: Amount, 2; Kind, Cu-St; Direction, SW
Velocity of clouds (miles per hour)

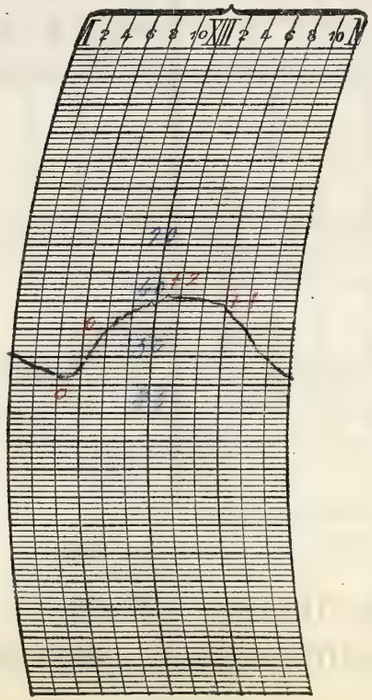
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by P. McDonough
Verified by P. McDonough

8—486

## NOTES.

Generally clear, cool weather, rather unpleasant

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) [illegible], (Date) [illegible], 192

Time (local standard). 90° mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 45 | 44 | 43 | 43 | 43 | 46 | 49 | 53 | 58 | 61 | 64 | 67 | 70 | 72 | 72 | 71 | 68 | 66 | 64 | 59 | 56 | 54 | 52 | 51 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | Partly Cloudy | | | | | | | | Clear | | | | | | | | | | | |

Sunrise: Time, 4:15 Character, Clear
Moonrise: 12:34P

Sunset: Time, 7:00 Character, Cloudy
Moonset: 12:58A

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sunshine (in tenths of hours) | | | | | .75 0 | .04 .06 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .08 | .02 | 0 | | | | | |
| Wind direction | E | E | E | NE | NE | NE | NE | NE | E | E | NE | NE | NE | E | E | NE | E | NE | E | NE | NE | E | NE | NE |
| Wind movement | 8 | 10 | 8 | 11 | 10 | 13 | 14 | 13 | 13 | 13 | 14 | 14 | 14 | 14 | 14 | 15 | 14 | 13 | 11 | 10 | 9 | 9 | 8 | 10 |
| Maximum velocities (exceeding 17 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

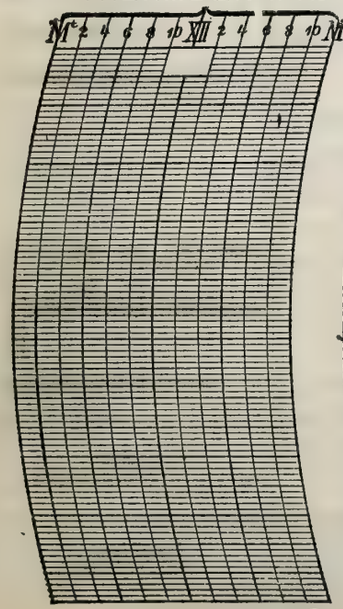
| | Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|---|
| | 72 | 43 | 58 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 12.8 Possible sunshine, hours, 14.8
Per cent of possible sunshine, 86
Prevailing wind direction, NE Total wind 282
Average hourly velocity, 11.6 Extreme velocity, 18
Maximum velocity, 17 Direction, NE
Time began, 1:08 P.M.
Reduced barometer, 30.29 a. m. 30.16 p. m.
River gage, 40 feet
Relative humidity, 75 a. m. 49 p. m.

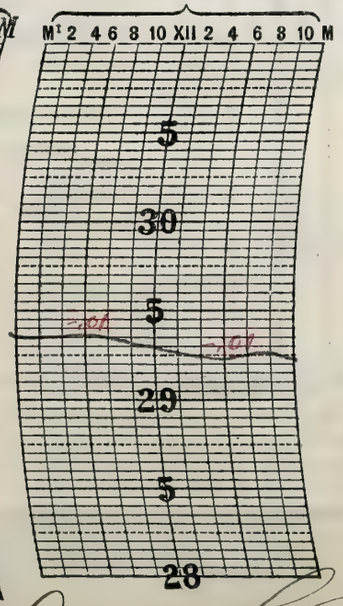
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature 67.0 Wet temperature, 56.2
Dew-point, 48 R. humidity, 51 V. pressure, 33.4
Clouds: Amount, 1; Kind, C.S.St; Direction, NW
Velocity of clouds (miles per hour)

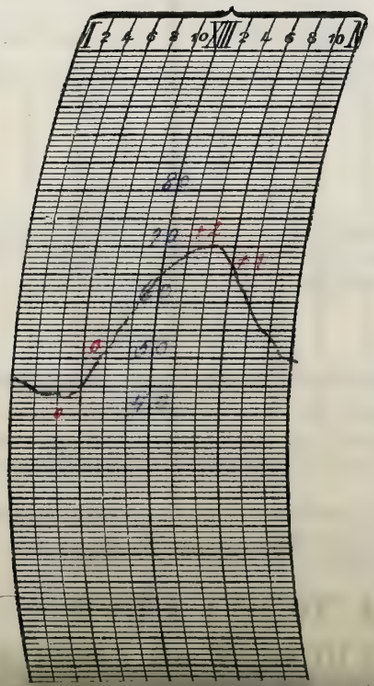
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by P. McDonough
Verified by P. McDonough

NOTES.

Day generally clear but with Cirro Stratus and alto Stratus Clouds. Faint Moonlight at night. Temperatures moderating, Maximum reaching 72° from a Minimum of 43° in the early morning.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind, (Day of week) Friday, (Date) MAY 25 1923, 192

Time (local standard), 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 50 | 50 | 50 | 49 | 49 | 50 | 52 | 56 | 60 | 64 | 68 | 71 | 73 | 75 | 76 | 76 | 75 | 73 | 72 | 68 | 67 | 67 | 64 | 63 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← | | | | Cloudy | | | | × | Pt. Clear | × | | Pt. Cloudy | | | | → | | | |
| | Sunrise: Time, 4:15 Character, Cloudy. Moonrise: 1:44p Cloudy | | | | | | | | | | | | | | | | | | | | Sunset: Time, 7:01 Character, Cloudy. Moonset: 12:50a | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 02 | 0 | 09 | 10 | 10 | 10 | 10 | 10 | 08 | 06 | 0 | 0 | 0 | | | | |
| Wind direction | NE | NE | NE | NE | E | NE | E | E | E | E | E | E | E | E | E | E | SE | E | S | S | S | S | SE | E |
| Wind movement | 10 | 10 | 10 | 9 | 9 | 10 | 9 | 8 | 9 | 9 | 10 | 8 | 10 | 10 | 9 | 8 | 7 | 6 | 5 | 5 | 1 | 3 | 3 | 3 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

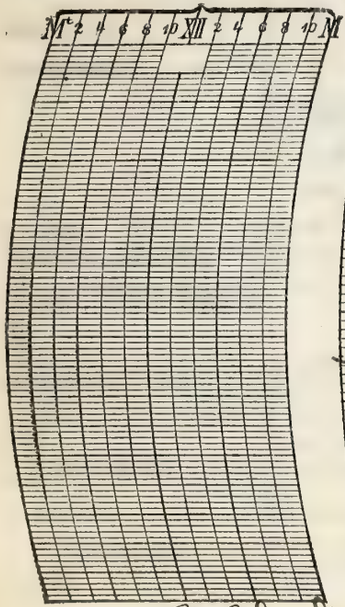
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 76 | 49 | 62 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0–10), 7
Actual sunshine, hours, 2.5 Possible sunshine, hours, 14.8
Per cent of possible sunshine, 51
Prevailing wind direction, E Total wind 179
Average hourly velocity, 7.5 Extreme velocity, 13
Maximum velocity, 13 Direction, E
Time began, 12:55 pm
Reduced barometer, 30.14 7 a. m. 29.98 7 p. m.
River gage, 3.2 feet
Relative humidity, 75 7 a. m. 64 7 p. m.

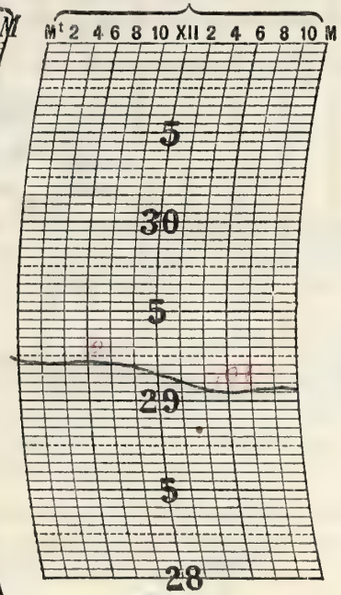
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 69.1 Wet temperature, 59.7
Dew-point, 53 R. humidity, 58 V. pressure, 402
Clouds: Amount, 9; Kind, St.; Direction, SW
Velocity of clouds (miles per hour)

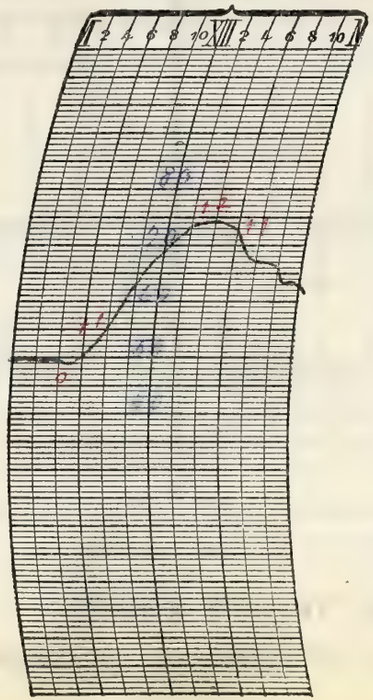
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by Fred L
Verified by P. McDonough

8—486

## NOTES.

A partly cloudy day with cloudy evening & thunderstorm

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) SUNDAY, (Date) [illegible], 192

Time (local standard). 40" mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 62 | 61 | 61 | 60 | 59 | 57 | 56 | 57 | 63 | 68 | 71 | 72 | 74 | 76 | 78 | 76 | 76 | 75 | 74 | 71 | 70 | 67 | 66 | 64 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | RB DNA | | | | | RB 8:30 | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | .01 | .03 | .14 | .15 | .01 | .01 | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | Cloudy | | | | | | | | | | Cloudy | | | | | | | | | |
| Sunrise: Time, 4:14 Character, Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: 2:54p Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, 7:02 Character, Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Moonset: 2:01a | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0.2 | 1.0 | 1.0 | 1.0 | 1.0 | 0.4 | 1.0 | 0.7 | 1.0 | 0 | 0 | 0 | | | | |
| Wind direction | E | E | SE | SE | E | E | E | E | E | E | E | SE | SE | E | E | E | E | NE | E | E | E | E | NE | E |
| Wind movement | 2 | 3 | 3 | 2 | 2 | 3 | 4 | 4 | 3 | 5 | 5 | 5 | 5 | 3 | 4 | 5 | 7 | 6 | 3 | 1 | 2 | 4 | 7 | 7 |
| Maximum velocities (exceeding 27 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

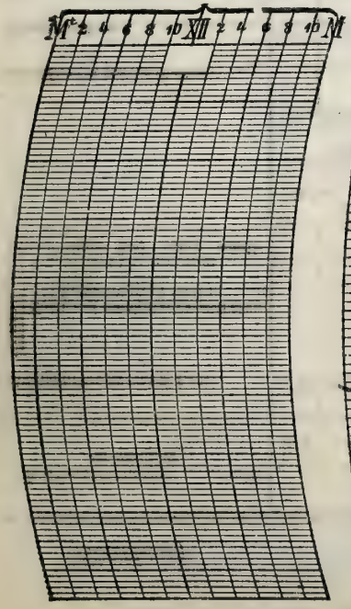
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 78 | 55 | 66 | |

Total depth of snow for 24 hours ending [illegible] p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .30 ins.; to 7 p. m., .05 ins.
Total precipitation, midnight to midnight, .35 inches.
Character of day, Cloudy. Moon phase, [illegible]
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 2.3 Possible sunshine, hours, 14.8
Per cent of possible sunshine, 49
Prevailing wind direction, E Total wind 95
Average hourly velocity, 4.1 Extreme velocity, 8
Maximum velocity, 8 Direction, NE
Time began, 10:42 p.m.
Reduced barometer, 30.00 ? a. m. 29.90 ?, p. m.
River gage, 3.0 Feet
Relative humidity, 94 ? a. m. 55 ? p. m.

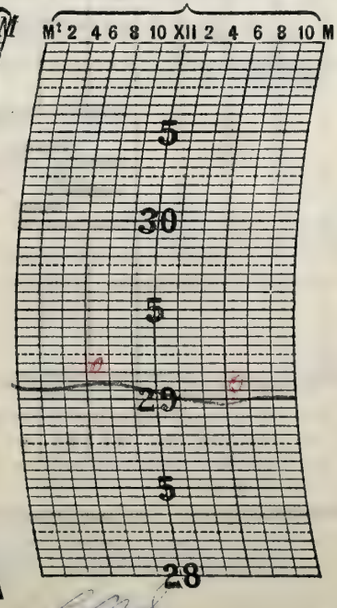
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 72.1 Wet temperature, 65.0
Dew-point, 61 R. humidity, 69 V. pressure, .536
Clouds: Amount, 3; Kind, Strat; Direction, NW
Velocity of clouds (miles per hour)

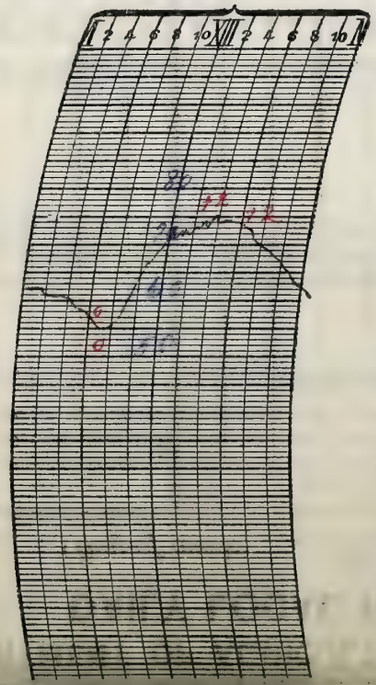
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by [illegible]
Verified by F. McDonough

## NOTES.

A cloudy day with showers during forenoon and a light shower during the early afternoon

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) MAY 21 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 63 | 62 | 60 | 59 | 58 | 59 | 61 | 64 | 68 | 72 | 77 | 78 | 80 | 81 | 78 | 75 | 72 | 70 | 67 | 64 | 63 | 61 | 59 | 58 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← | | | P.C. Cloudy | | | | | P.C. Cloudy | | × Cloudy | × | P.C. Cloudy | | → | | | | | |
| Sunrise: Time, Character, 4:13 Cloudy. Moonrise: 4:06p Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 7:03 Cloudy. Moonset: 2:35 | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.5 | 0 | 0 | 0 | 0 | | | | |
| Wind direction | NE | NE | NE | E | E | E | E | E | E | E | E | E | E | NE | NE | NE | NE | NE | NE | E | E | NE | E | NE |
| Wind movement | 7 | 8 | 8 | 7 | 9 | 10 | 11 | 9 | 12 | 13 | 15 | 13 | 14 | 17 | 19 | 18 | 17 | 13 | 11 | 12 | 13 | 12 | 10 | 12 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

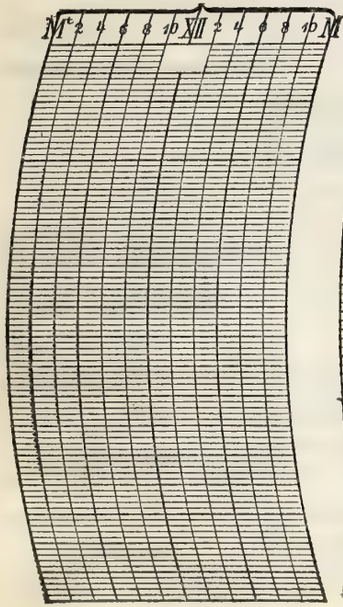
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 81 | 58 | 70 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day P.C. Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 8.6 Possible sunshine, hours, 14.8
Per cent of possible sunshine, 58
Prevailing wind direction, E Total wind 290
Average hourly velocity, 12.1 Extreme velocity, 25
Maximum velocity, 24 Direction, NE
Time began, 2:50 p.m.
Reduced barometer, 29.95 7 a. m. 29.94 2 p. m.
River gage, 2.5 feet.
Relative humidity, 70 7 a. m. 38 7 p. m.

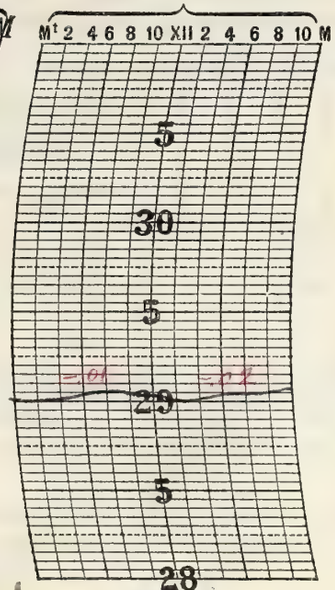
### OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 77.8 Wet temperature, 63.8
Dew-point, 56 R. humidity, 46 V. pressure, 444
Clouds: Amount, 5; Kind, ACu; Direction, S
Velocity of clouds (miles per hour)

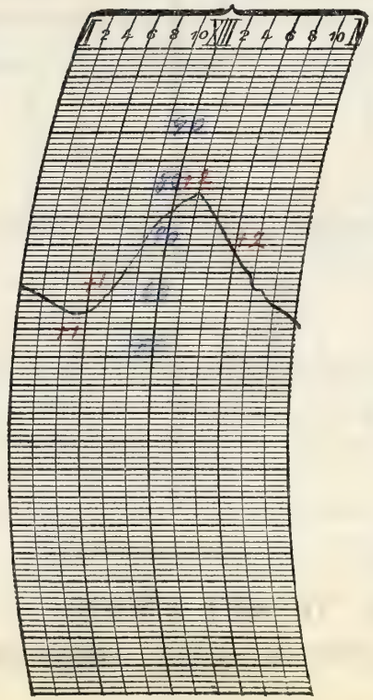
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by
Verified by F. McDonough

8—486

## NOTES.

A warm day in March followed cool but Saturday was rather warm about the middle of the afternoon through it became cool again toward evening

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(*Station*) _____, (*Day of week*) _____, (*Date*) _____, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 55 | 54 | 53 | 52 | 51 | 53 | 57 | 59 | 63 | 67 | 70 | 74 | 77 | 79 | 80 | 81 | 78 | 74 | 72 | 68 | 66 | 64 | 63 | 61 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← | — | — | — | Clear | — | — | → | — | — | — | Clear | — | — | — | Partly Cldy | → | | | |
| Sunshine (in tenths of hours) | | | | | .78 0.0 | 0.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .2 | .0 | .0 | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | E | E | E | E | E | E | E | E | E | E | E | NE | NE | E | E | E | E |
| Wind movement | 12 | 11 | 10 | 10 | 10 | 11 | 12 | 11 | 9 | 10 | 9 | 9 | 11 | 11 | 11 | 11 | 12 | 9 | 08 | 08 | 10 | 9 | 10 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:13 Character, Clear
Moonrise: 5:17P Clear
Sunset: Time, 7:03 Character, Cloudy
Moonset: 3:18a

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

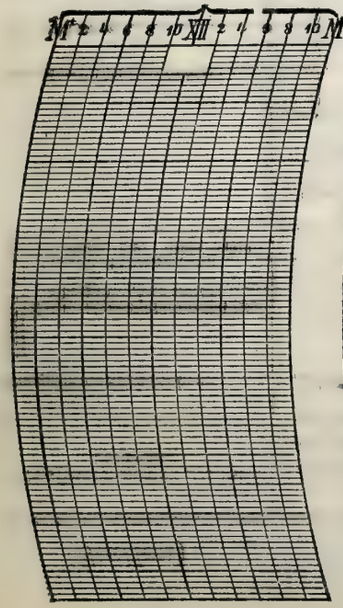
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 81 | 51 | 66 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, _____
Average daily cloudiness (0-10), Few
Actual sunshine, hours, 12.8 Possible sunshine, hours, 14.8
Per cent of possible sunshine, 86
Prevailing wind direction, E Total wind 240
Average hourly velocity, 10.0 Extreme velocity, 15
Maximum velocity, 14 Direction, NE
Time began, 6:24 a.m.
Reduced barometer, 30.— a. m. 29.95 p. m.
River gage, 2.3 Fall
Relative humidity, 61 7 a. m. 49 7 p. m.

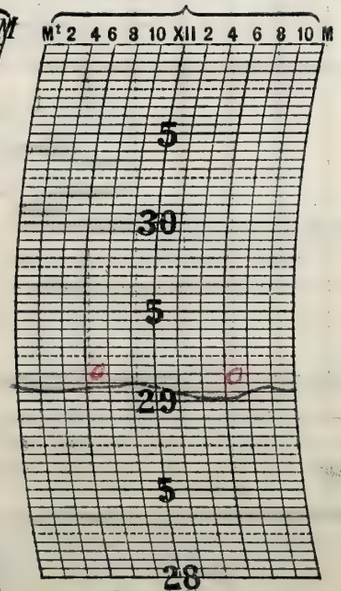
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 75.2 Wet temperature, 62.0
Dew-point, 54 R. humidity, 47 V. pressure, 29.17
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

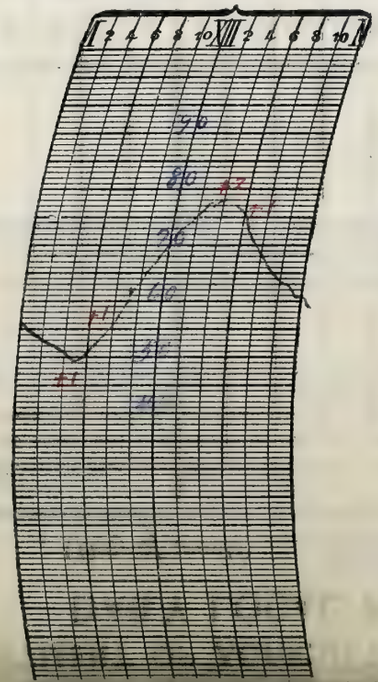
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




NOTES.

A clear and warm day with an abundance of bright sunshine

The night was marked with bright moonlight from an increasing moon

*Prepared by* _____

*Verified by* T. McDonough

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) MAY 30 1933, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 60 | 60 | 59 | 58 | 58 | 59 | 62 | 67 | 71 | 75 | 80 | 82 | 84 | 83 | 81 | 79 | 70 | 75 | 74 | 69 | 66 | 63 | 61 | 60 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← | | | Clear | | | | | | | | Clear | | | | | | | | → |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0 | 0 | 0 | | | | |
| Wind direction | NE | NE | NE | NE | NE | E | NE | NE | NE | NE | NE | E | E | E | NE | E | E | E | E | E | E | E | NE | E |
| Wind movement | 8 | 8 | 6 | 9 | 7 | 8 | 7 | 7 | 9 | 9 | 12 | 12 | 12 | 15 | 18 | 16 | 16 | 10 | 10 | 11 | 15 | 13 | 13 | 15 |

Sunrise: Time 4:12a, Character Cloudy. Moonrise: 6:30p Cloudy.

Sunset: Time 7:04, Character Cloudy. Moonset: 4:02a

Maximum velocities (exceeding 24 miles) direction and time

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

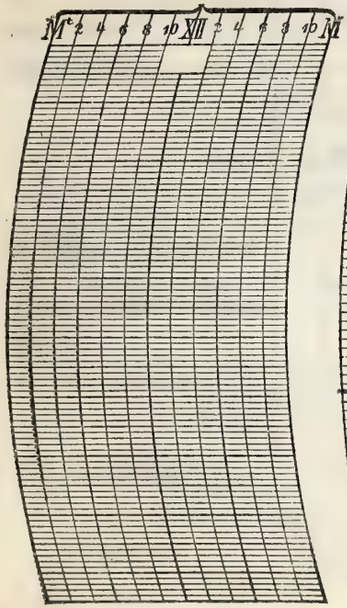
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 85 | 58 | 72 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, Full 11:07 p.m.
Average daily cloudiness (0-10),
Actual sunshine, hours, 10.5 Possible sunshine, hours, 14.9
Per cent of possible sunshine, 70
Prevailing wind direction, NE to E Total wind, 266
Average hourly velocity, 11.1 Extreme velocity, 23
Maximum velocity, 21 Direction, NE
Time began, 2:27 p.m.
Reduced barometer, 29.97 7 a. m. 29.93 7 p. m.
River gage, 2.0 Feet
Relative humidity, 62 7 a. m. 60 7 p. m.

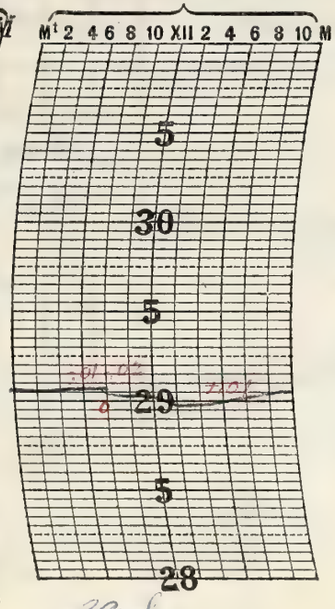
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 81.0 Wet temperature, 66.4
Dew-point, 59 R. humidity, 46 V. pressure, 29.9
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

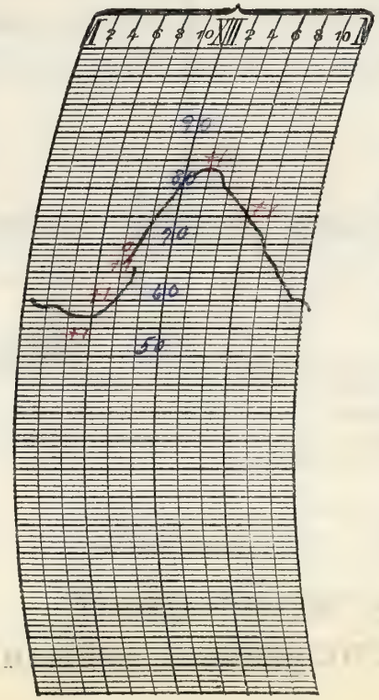
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by CDS

Verified by T. McDonough

8—486

## NOTES.

A clear and rather warm day, the maximum temperature being the highest recorded to date this year.

The night was resplendent with bright moonlight from a full moon.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Yukon, Alaska, (Day of week) Wednesday, (Date) June 30 1933, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 57 | 55 | 54 | 54 | 53 | 55 | 58 | 62 | 66 | 70 | 72 | 74 | 75 | 74 | 73 | 72 | 70 | 68 | 67 | 61 | 59 | 58 | 57 | 55 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← | | | Clear | | | | | | | Clear | | | | | | | | | → |
| Sunrise: Time, Character, Moonrise: | 4.12 Clear 7.38 p. Clear | | | | | | | | | | | | | | | | | | | | Sunset: Time 7.05 Character Clear Moonset: Visible Clear | | | | |
| Sunshine (in tenths of hours) | | | | | .8 0 | 0.4 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 0.3 | .08 0 | | | | |
| Wind direction | E | NE | NE | NE | E | E | NE | NE | NE | NE | NE | E | NE | E | E | E | E | NE | NE | E | E | E | E | NE |
| Wind movement | 12 | 11 | 13 | 11 | 11 | 13 | 13 | 13 | 16 | 16 | 17 | 15 | 16 | 16 | 16 | 17 | 15 | 14 | 11 | 8 | 8 | 8 | 12 | 11 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

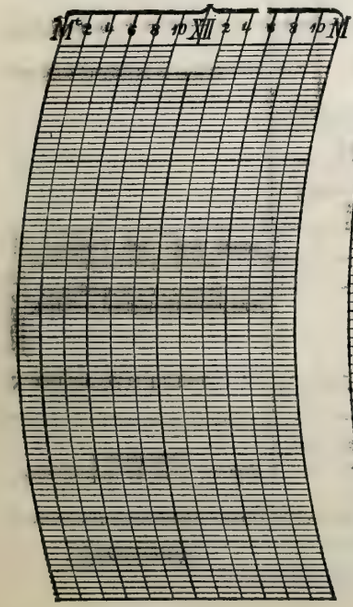
| | Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|---|
| | 75 | 53 | 64 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., — ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), few.
Actual sunshine, hours, 14.9 Possible sunshine, hours, 14.9
Per cent of possible sunshine, 100
Prevailing wind direction, NE. & E. Total wind 312
Average hourly velocity, 13.0 Extreme velocity, 24
Maximum velocity, 20 Direction, NE
Time began, 1:42 p.m.
Reduced barometer, 30— a. m. 29.98, p. m.
River gage, 1.6 Fall
Relative humidity, 48 a. m. 30 p. m.

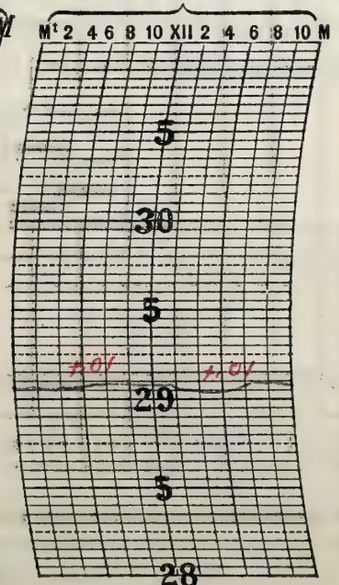
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 72.8 Wet temperature, 56.8
Dew-point, 44 R. humidity, 36 V. pressure, .287
Clouds: Amount, 1; Kind, Ast.; Direction, 0
Velocity of clouds (miles per hour)

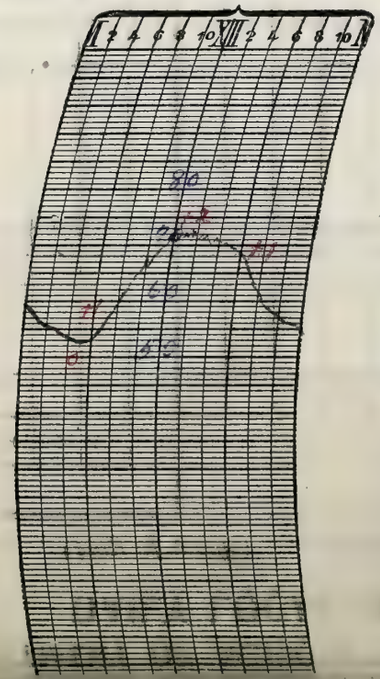
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by

Verified by S. McDonough

## NOTES.

A clear and warm pleasant day with an abundance of sunshine.

The night was clear and resplendent with very little moonlight.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) MAY 31 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 54 | 53 | 52 | 51 | 51 | 52 | 56 | 60 | 65 | 69 | 74 | 78 | 81 | 84 | 85 | 85 | 81 | 77 | 75 | 70 | 67 | 65 | 62 | 61 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← | | | | Clear | | | | | | | | Clear | | | | | → | | |
| Sunrise: Time, Character, 4:11 Clear | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 7:06 Clear | | | |
| Moonrise: 8:38p Clear | | | | | | | | | | | | | | | | | | | | | Moonset: 11:46a Clear | | | |
| Sunshine (in tenths of hours) | | | | | .82 0 | 1.0 0 | 0.3 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.3 0.6 | 1.0 0 | 1.0 0 | .10 0 | | | | |
| Wind direction | E | NE | NE | NE | NE | E | E | NE | E | E | E | E | E | E | E | SE | SE | E | E | E | E | E | NE | NE |
| Wind movement | 9 | 7 | 8 | 8 | 9 | 9 | 8 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 7 | 10 | 10 | 9 | 7 | 7 | 7 | 4 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

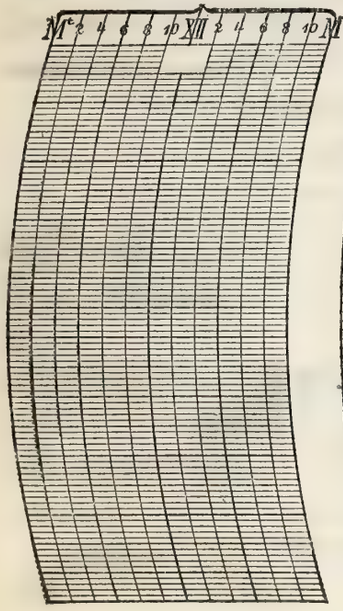
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 85 | 51 | 68 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 14.8 Possible sunshine, hours, 14.4
Per cent of possible sunshine, 99
Prevailing wind direction, E Total wind 191
Average hourly velocity, 8.1 Extreme velocity, 12
Maximum velocity, 12 Direction, E
Time began, 4:43 p.m.
Reduced barometer, 30.06 7 a. m. 30.02 7 p. m.
River gage, 4.5 Feet
Relative humidity, 71 7 a. m. 52 7 p. m.

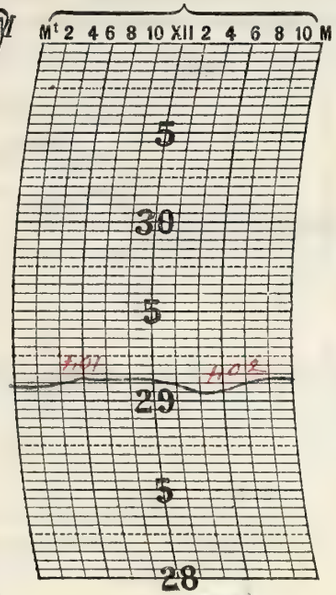
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 76.8 Wet temperature, 64.0
Dew-point, 56 R. humidity, 50 V. pressure, 448
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

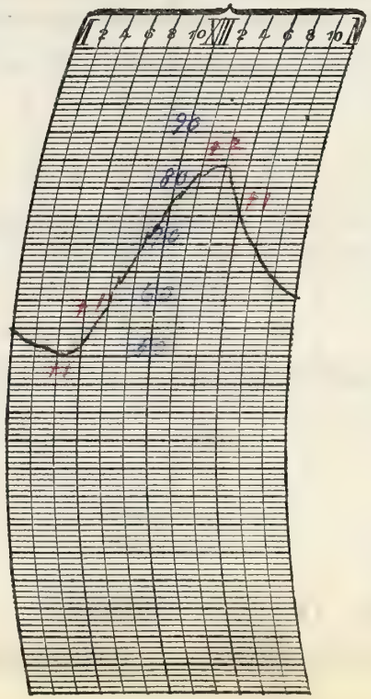
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by

Verified by S. McDonough

8—486

## NOTES.

A clear and warm day.
The night was illuminated by bright moonlight.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) ..., 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 60 | 58 | 58 | 58 | 58 | 61 | 65 | 75 | 78 | 82 | 83 | 83 | 85 | 87 | 85 | 84 | 83 | 82 | 80 | 76 | 75 | 73 | 71 | 70 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← | | Clear | | | | → PM Cldy → | | | | Clear | | | | | | | | | |
| Sunrise: Time, Character, 4:11 Clear. Moonrise: 9:32 p Clear | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 7:07 Cloudy. Moonset: 6:44a Clear | | | |
| Sunshine (in tenths of hours) | | | | | .82 0 | 0.5 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.6 0.1 | 0 | | | | |
| Wind direction | E | E | NE | NE | NE | NE | NE | NE | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW |
| Wind movement | 3 | 3 | 3 | 2 | 2 | 1 | 1 | 3 | 9 | 12 | 13 | 13 | 12 | 14 | 15 | 14 | 13 | 12 | 10 | 7 | 6 | 7 | 6 | 6 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

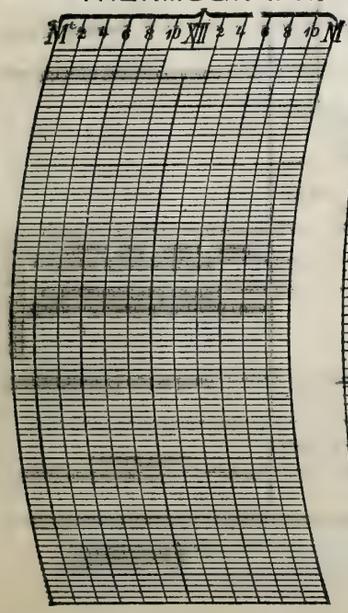
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 87 | 58 | 72 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., ... ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear. Moon phase, ...
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 14.5 Possible sunshine, hours, 14.9
Per cent of possible sunshine, 97
Prevailing wind direction, SW. Total wind 187
Average hourly velocity, 7.8 Extreme velocity, 20
Maximum velocity, 18 Direction, SW
Time began, 3:48 p. m.
Reduced barometer, 30.12 7 a. m. 30.07 7 p. m.
River gage, 1.5 Feet.
Relative humidity, 68 7 a. m. 54 7 p. m.

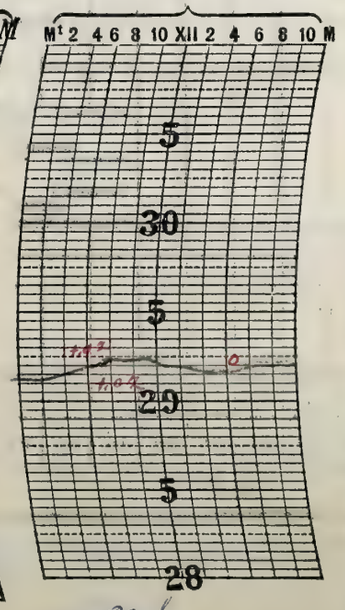
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 83.0 Wet temperature, 70.0
Dew-point, 64 R. humidity, 52 V. pressure, .595
Clouds: Amount, 4; Kind, Cu.; Direction, SW.
Velocity of clouds (miles per hour)

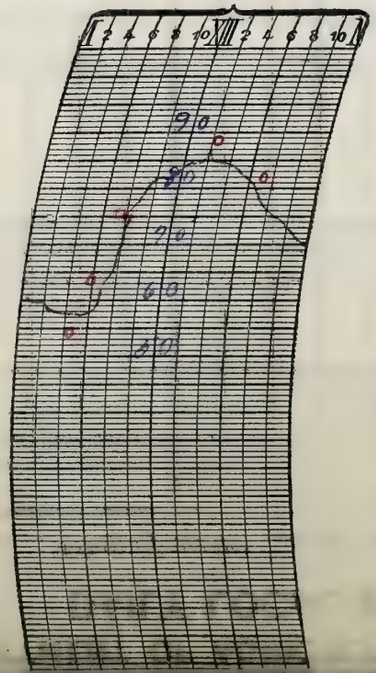
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by ...
Verified by P. McDonough

## NOTES.

A clear and rather warm day. The sun being unpleasantly hot. The wash from clean and cool and sprinkled by night moonlight from a decreasing breeze.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JUN 2 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 69 | 68 | 67 | 66 | 66 | 67 | 72 | 75 | 77 | 78 | 80 | 83 | 83 | 85 | 84 | 84 | 83 | 82 | 80 | 78 | 77 | 74 | 72 | 71 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← | Clear | → | × | ← | | | | Pt. Cloudy | | | | | | Clear | | 7 | | | |
| Sunrise: Time, Character, Moonrise: | Sunrise: 4:46a Clear Moonrise: 10:19p | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, Moonset: | Sunset: 7:46p Clear Moonset: 7:46a Clear | | |
| Sunshine (in tenths of hours) | | | | | .83 0 | 0.4 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 0.0 | 0.12 0.0 | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | S |
| Wind movement | 6 | 6 | 5 | 6 | 6 | 7 | 9 | 10 | 13 | 12 | 11 | 10 | 10 | 13 | 14 | 13 | 13 | 12 | 7 | 5 | 6 | 4 | 7 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

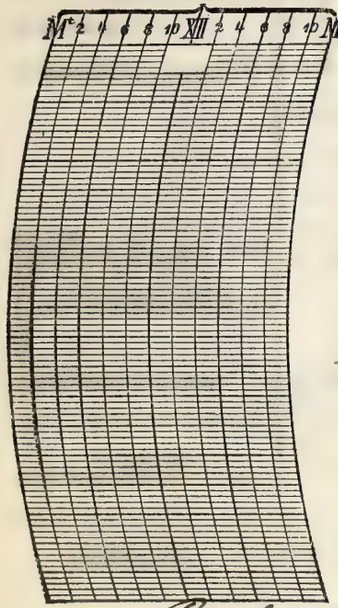
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 85 | 66 | 76 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 15.0 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 100
Prevailing wind direction, SW Total wind 214
Average hourly velocity, 8.9 Extreme velocity, 17
Maximum velocity, 16 Direction, SW
Time began, 5.10 pm
Reduced barometer, 29.14 7 a. m. 29.99 7 p. m.
River gage, 4.0 Feet
Relative humidity, 97 a. m. 72 p. m.

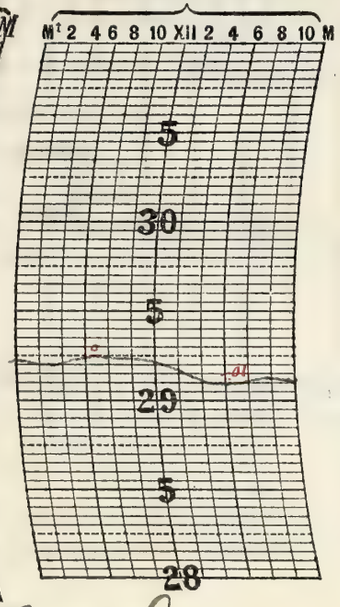
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 81.7 Wet temperature, 70.0
Dew-point, 64 R. humidity, 56 V. pressure, .595
Clouds: Amount, 6; Kind, Cu.; Direction, NW
Velocity of clouds (miles per hour)

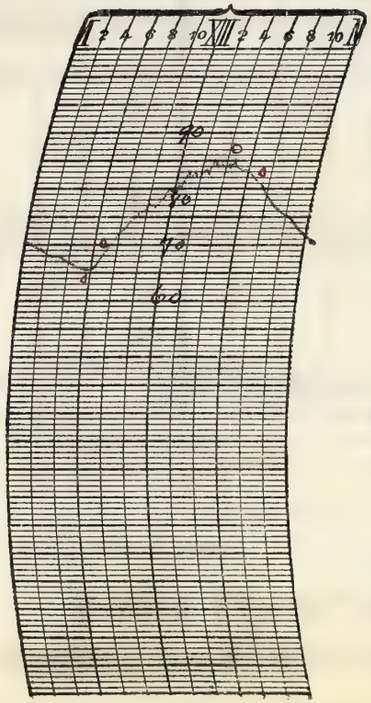
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by C. A. S. & C. Mail.
Verified by C. McDonough

8—486

## NOTES.

The day as a whole was partly Cloudy, with moderately high temperature and humidity.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Yukon, Alaska, (Day of week) ....., (Date) JUN - 3 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 69 | 68 | 67 | 67 | 67 | 69 | 74 | 77 | 78 | 79 | 81 | 82 | 79 | 82 | 85 | 84 | 87 | 82 | 82 | 79 | 78 | 77 | 76 | 74 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | < — Pt. Cloudy — > | | | | | | | | < — | | | Cloudy | — | | > | | | | | |
| Sunrise: Time, Character, Moonrise: | Sunrise: 4:10 Cloudy Moonrise: 10:50 p — | | | | | | | | | | | | | | | | | | | | Sunset: 9:05 Cloudy Moonset: 8:48 p Pt. Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | 1.0 | 1.0 | 1.0 | 0.3 | 0 | 0.2 | 0 | | | | |
| Wind direction | S | S | S | S | S | SW | SW | SW | SW | SW | SW | W | SW | SW | SW | SW | SW | SW | S | S | SW | SW | SW | SW |
| Wind movement | 7 | 8 | 8 | 7 | 8 | 8 | 9 | 13 | 15 | 15 | 15 | 14 | 12 | 9 | 11 | 15 | 10 | 7 | 5 | 7 | 8 | 6 | 7 | 6 |
| Maximum velocities (exceeding ... miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

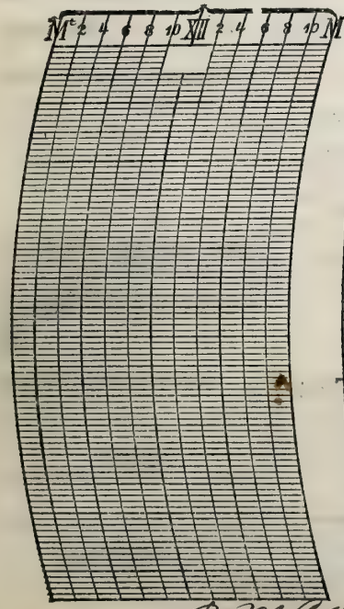
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 85 | 67 | 76 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0–10), 7
Actual sunshine, hours, 10.4 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 69
Prevailing wind direction, SW Total wind 230
Average hourly velocity, 9.6 Extreme velocity, 20
Maximum velocity, 19 Direction, SW
Time began, 8:50 a.m.
Reduced barometer, 30.02 7 a. m. 29.90 7 p. m.
River gage, 1.4 feet
Relative humidity, 69 7 a. m. 55 7 p. m.

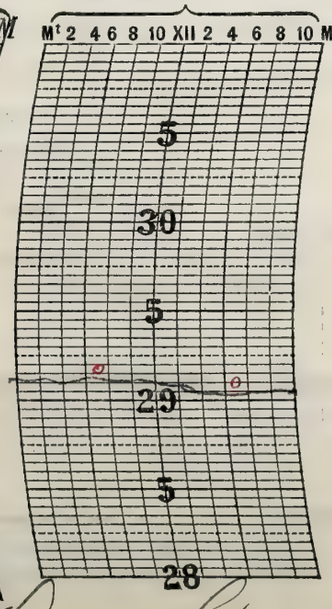
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 80.5 Wet temperature, 68.5
Dew-point, 62 R. humidity, 54 V. pressure, .555
Clouds: Amount, 4.3 ; Kind, Cu ; Direction, W
Velocity of clouds (miles per hour)

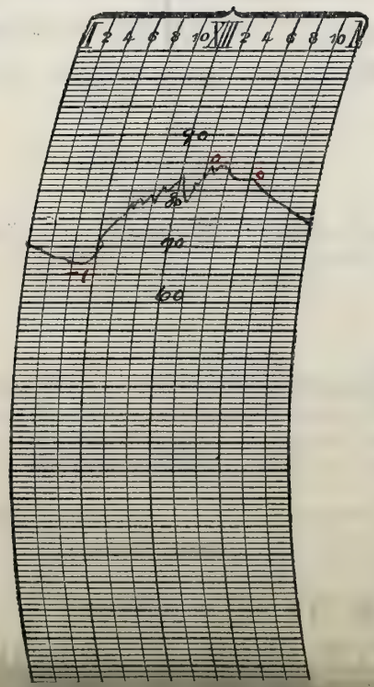
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by P. McDonough

Verified by P. McDonough

## NOTES.

The weather during the day was generally partly cloudy and warm.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JUN 4 1923, 192

Time (local standard). 90 mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 73 | 72 | 71 | 70 | 70 | 71 | 74 | 78 | 80 | 82 | 83 | 85 | 86 | 86 | 88 | 87 | 87 | 85 | 83 | 79 | 77 | 76 | 74 | 73 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | L — Clear — 7L-Pt. Cloudy-7L — | | | | | | | | | | | | Clear — 7 | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0.5 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 0.3 | 0.15 0 | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW |
| Wind movement | 6 | 7 | 9 | 8 | 8 | 9 | 10 | 13 | 14 | 19 | 16 | 18 | 19 | 18 | 20 | 17 | 15 | 13 | 10 | 10 | 8 | 9 | 9 | 9 |
| Maximum velocities (exceeding ___ miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:10 Character, Cloudy
Moonrise: 11:35p —
Sunset: Time, 7:09 Character, Clear
Moonset: 9:49p Clear

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 88 | 70 | 79 | |

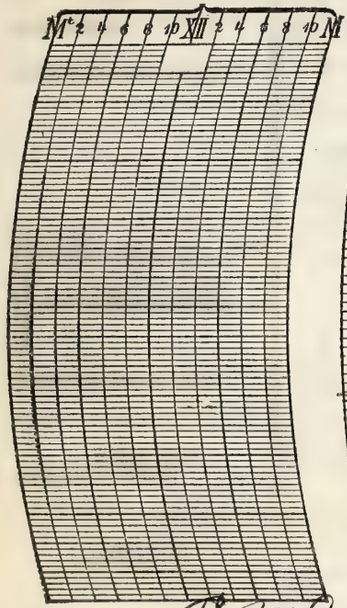
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0–10), 3
Actual sunshine, hours, 13.6 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 9.1
Prevailing wind direction, SW Total wind 294
Average hourly velocity, 12.2 Extreme velocity, 25
Maximum velocity, 24 Direction, SW
Time began, 11:05 am
Reduced barometer, 29.97 7 a. m. 29.86 7 p. m.
River gage, 1.4 feet
Relative humidity, 72 7 a. m. 46 7 p. m.

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

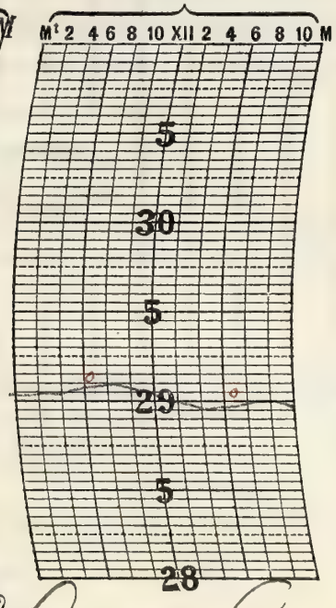
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 84.2 Wet temperature, 68.4
Dew-point, 60 R. humidity, 45 V. pressure, .617
Clouds: Amount, 6; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

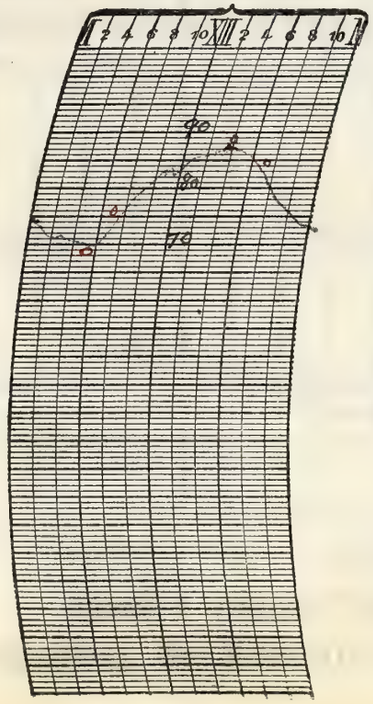
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by F. M. Donough
Verified by F. M. Donough

8—436

## NOTES.

Generally clear and uncomfortably warm weather, the highest temperature of the year, 88°, occurring in the early afternoon; much complaint regarding the intense heat.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Tuesday, (Date) July 25, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 71 | 70 | 69 | 69 | 68 | 70 | 73 | 78 | 79 | 81 | 84 | 86 | 88 | 87 | 88 | 87 | 65 | 79 | 79 | 77 | 74 | 74 | 72 | 71 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | R.13 4.30 | R.E. 5.05 | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | .27 | .17 | | | | | | |
| Cloudiness and other conditions | | | | | Clear | | | Pt. Cloudy | | Clear | | Pt. Cloudy | | | Cloudy | | | | Clear | Cloudy | | | | |
| Sunrise: Time, 4:09 Character, Clear | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 7:09 Character, Cloudy | | | |
| Moonrise: | | | | | | | | | | | | | | | | | | | | | Moonset: 10:40 a Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | 0 | 0.9 | 0.2 | 0 | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | W | S | W | SW | SW | SW | SW | SW |
| Wind movement | 8 | 8 | 8 | 7 | 8 | 9 | 11 | 13 | 17 | 16 | 17 | 17 | 18 | 17 | 18 | 15 | 13 | 5 | 7 | 7 | 8 | 9 | 10 | 9 |
| Maximum velocities (exceeding 23 miles) direction and time | | | | | | | | | | | | | | | | | 33 W 4:35 | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

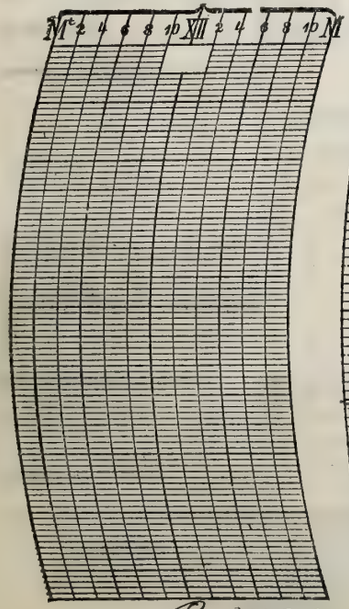
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 88 | 65 | 76 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .27 ins.
Total precipitation, midnight to midnight, 0.27 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 12.6 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 84
Prevailing wind direction, SW Total wind 278
Average hourly velocity, 11.5 Extreme velocity, 35
Maximum velocity, 33 Direction, W
Time began, 4:35 pm
Reduced barometer, 29.90 a. m. 29.86 p. m.
River gage, 1.3 feet
Relative humidity, 67 a. m. 61 p. m.

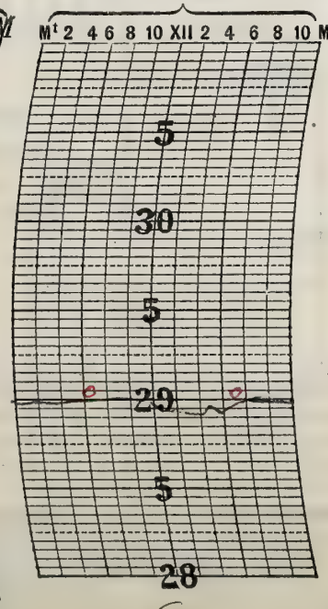
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 86.2 Wet temperature, 70.1
Dew-point, 62 R. humidity, 45 V. pressure, .555
Clouds: Amount, 3; Kind, Cu. ast; Direction, SW
Velocity of clouds (miles per hour)

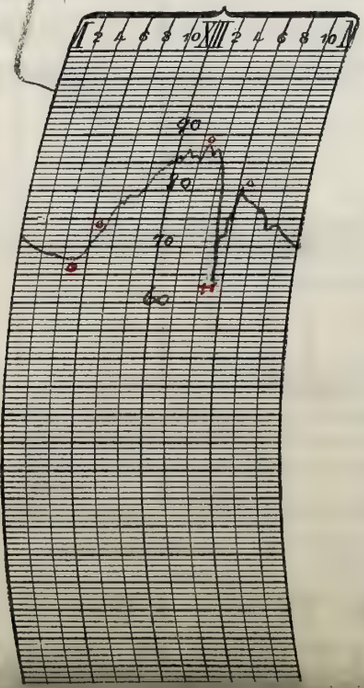
THERMOGRAPH.



BARÓGRAPH.




THERMOGRAPH.



Prepared by P. McConnaughy

Verified by P. McConnaughy

## NOTES.

Variable Cloudiness and intensely warm. A thunderstorm developed in the northwest at 4:00 pm, it moved to the eastward and was loudest at 4:45 pm, the storm ended at 5:05 pm The storm put 600 to 800 telephones out of commission and it also caused some trouble to Traction Company's lighting system, but the interruption was of short duration

Joseph E. Hartman, a farmer living near Zanesville in Lafayette Township, Allen County, was instantly killed by lightning while he was operating a Cultivator in a field. Hartman's body was found about 30 feet from the Cultivator. The body was scorched by the lightning. One shoe was torn completely off the dead man's foot, while one leg of his overalls was hanging in ribbons.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) _____, (Date) _____, 192

Time (local standard) 90 mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 71 | 71 | 71 | 70 | 70 | 71 | 73 | 76 | 80 | 82 | 83 | 84 | 85 | 86 | 74 | 70 | 71 | 67 | 68 | 68 | 68 | 66 | 66 | 66 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | RB 2:30 RE 2:45 | RB 3:03 | - | - | - | - | - | RE 9:30 | | |
| Amounts of precipitation | | | | | | | | | | | | | | | T | .33 | T | .15 | .07 | .01 | T | T | | |
| Cloudiness and other conditions | ← Clear → | | | | | ← Pt. Cloudy → | | | | | | | ← Cloudy → | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0.85 0 | 0.9 0.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.3 | 0 | 0 | 0 | 0 | 0 | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | N | N | N | NW | N | NE | SE | E | SE | S |
| Wind movement | 10 | 11 | 10 | 8 | 9 | 8 | 10 | 9 | 10 | 10 | 11 | 15 | 19 | 17 | 11 | 8 | 3 | 5 | 3 | 5 | 4 | 4 | 3 | 4 |

Sunrise: Time 4:09, Character: Clear
Moonrise: 12:06a
Sunset: Time 7:10, Character: Cloudy
Moonset: 1:48a, Cloudy

Maximum velocities (exceeding 29 miles) direction and time

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

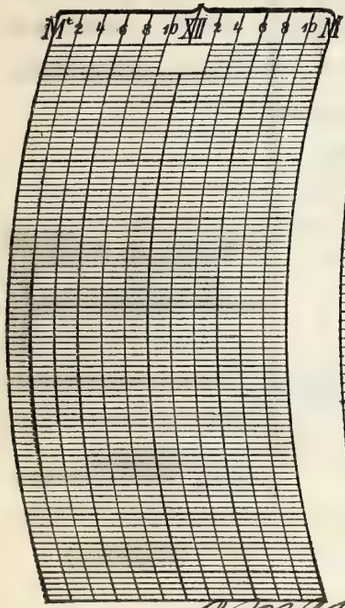
Excessive precipitation, accumulated amounts

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 86 | 66 | 76 | |

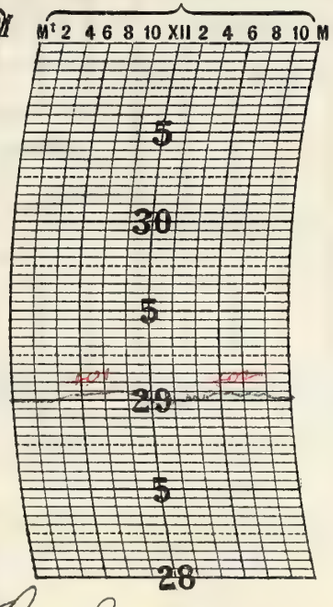
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .54 ins.
Total precipitation, midnight to midnight, 0.56 inches.
Character of day Pt. Cloudy Moon phase, L.Q. 3:11 p.m.
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 10.2 Possible sunshine, hours, 13.5
Per cent of possible sunshine, 68
Prevailing wind direction, SW Total wind, 207
Average hourly velocity, 8.6 Extreme velocity, 23
Maximum velocity, 22 Direction, SW
Time began, 1:05 p.m.
Reduced barometer, 29.96 a. m. 29.97 p. m.
River gage, 1.4 Fall
Relative humidity, 84 a. m. 92 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 84.0 Wet temperature, 71.0
Dew-point, 65 R. humidity, 53 V. pressure, 616
Clouds: Amount, 8; Kind, Cu.; Direction, SW
Velocity of clouds (miles per hour)

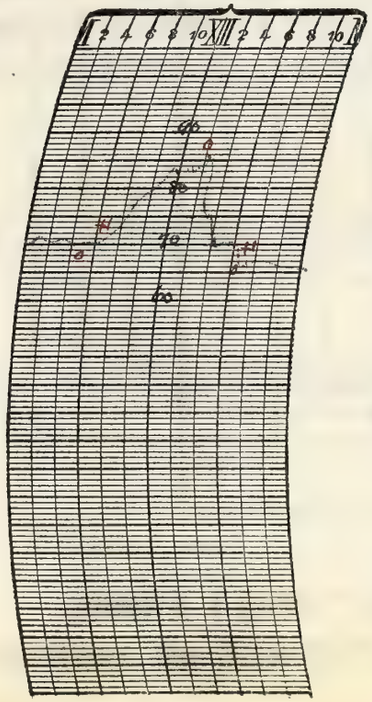
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by C. M. McDonough
Verified by C. M. McDonough

8—486

## NOTES.

Increasing Cloudiness from the early morning, the day being partly cloudy and warm, except in the late afternoon, when there was a change cooler due to thundershowers.

A mild thunderstorm developed in the west at 3:05 pm.; the thunder was loudest at 3:15 pm.; and the storm ended 7:30 pm. The storm moved from west to east.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JUN – 7 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 65 | 64 | 64 | 64 | 65 | 66 | 68 | 68 | 69 | 72 | 75 | 77 | 80 | 76 | 71 | 69 | 65 | 62 | 62 | 59 | 56 | 55 | 53 | 53 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | RB 6:13 RE 5:55 | | RB 7:03 RE 7:20 | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | T | | T | | | | |
| Cloudiness and other conditions | | | | | | L | — | | | Cloudy | | | — | | 7L | Clear | L | — | Cloudy | — | 7 | | | |
| Sunrise: Time, 4:09 Character, Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: 12:36a.m. | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, 7:50 Character, Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Moonset: 12:21p.m. Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 01 | 02 | 1.0 | 1.0 | 1.0 | 07 | 1.0 | 1.0 | 10 | 03 | 0 | 0 | 0 | | | | |
| Wind direction | SW | S | S | S | S | SW | SW | SW | SW | SW | SW | SW | SW | SW | W | W | W | W | NW | NW | NW | NW | W | W |
| Wind movement | 6 | 6 | 6 | 7 | 7 | 9 | 11 | 16 | 14 | 14 | 15 | 21 | 27 | 27 | 27 | 27 | 24 | 23 | 20 | 18 | 16 | 16 | 22 | 16 |
| Maximum velocities (exceeding 1/4 miles) direction and time | | | | | | | | | | | | | 37 SW 1241 | 31 SW 1223 | 35 W 241 | 30 W 2:04 | 34 W 417 | | | | | | | |

| | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

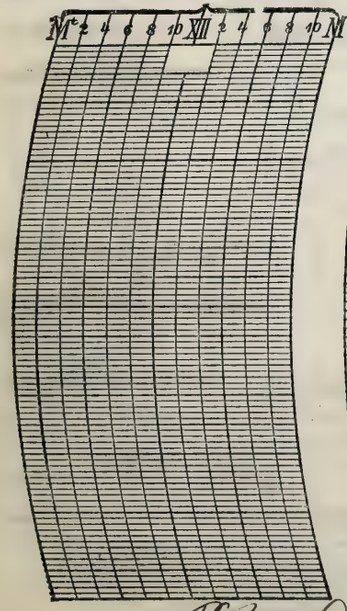
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 80 | 53 | 66 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .02 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 8
Actual sunshine, hours, 7.3 Possible sunshine, hours, 14.9
Per cent of possible sunshine, 49
Prevailing wind direction, SW Total wind 395
Average hourly velocity, 16.5 Extreme velocity, 48 – 417 PM
Maximum velocity, 37 Direction, SW
Time began, 12:41 P.m.
Reduced barometer, 29.90 7 a. m. 29.97 ; p. m.
River gage, 1.4 feet
Relative humidity, 88 7 a. m. 78 7 p. m.

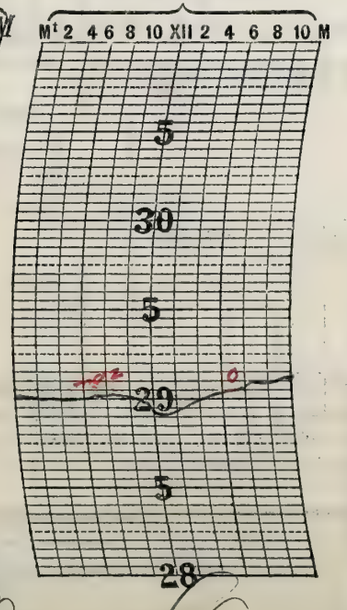
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 77.3 Wet temperature, 66.9
Dew-point, 62 R. humidity, 58 V. pressure, 565
Clouds: Amount, 3.6 ; Kind, Cu ; Direction, NW
Velocity of clouds (miles per hour)

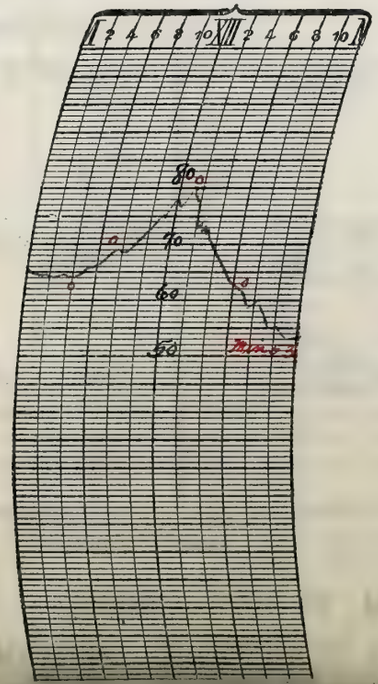
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by T. McDonough

Verified by T. McDonough

## NOTES.

Generally Cloudy weather with sprinkling rain in the late afternoon and early evening, moderately warm first half of day, but falling temperature after 1:00 pm, the night being quite cool. Southwest winds prevailed, but wind became variable in the afternoon, with moderately high winds between 11:00 am and 7:00 pm. Rather unpleasant in the afternoon due to wind and dust.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind, (Day of week) Tuesday, (Date) JUN 11 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 51 | 50 | 49 | 49 | 49 | 49 | 51 | 53 | 56 | 58 | 60 | 62 | 64 | 66 | 67 | 68 | 67 | 66 | 66 | 61 | 58 | 56 | 55 | 54 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | L- | Cloudy | - | K | — | Pt. Cloudy | | | | — | K | — | | Clear | | | — | K | | | |
| Sunrise: Time, Character; Moonrise: | Sunrise: 4:09 Cloudy; Moonrise: 1:02 a | | | | | | | | | | | | | | | | | | | | Sunset: 7:11 Clear; Moonset: 1:42 a Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0.2 | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.3 | 0 | | | | |
| Wind direction | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | N | N | N | N | N | NW | NW | N | NW |
| Wind movement | 20 | 19 | 18 | 18 | 16 | 14 | 14 | 15 | 16 | 15 | 13 | 11 | 12 | 11 | 10 | 10 | 10 | 8 | 7 | 6 | 9 | 6 | 3 | 4 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

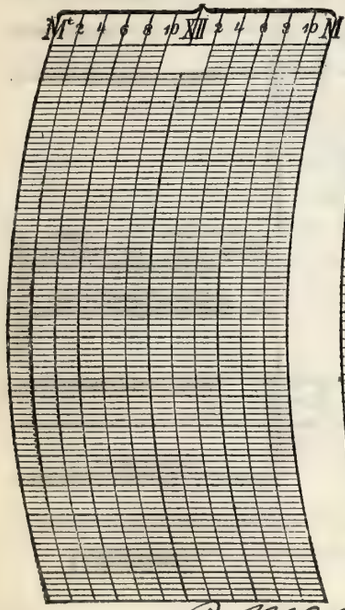
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 68 | 49 | 58 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 11.2 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 75
Prevailing wind direction, NW Total wind 285
Average hourly velocity, 11.6 Extreme velocity, 25
Maximum velocity, 24 Direction, W
Time began, 12:51 am
Reduced barometer, 30.21 7 a. m. 30.23 7 p. m.
River gage, 1.5 feet
Relative humidity, 85 7 a. m. 49 7 p. m.

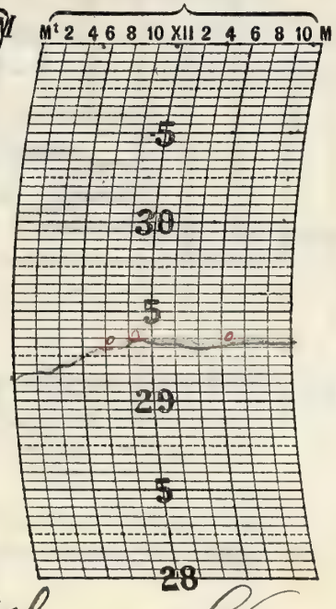
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 62.8 Wet temperature, 53.5
Dew-point, 46 R. humidity, 54 V. pressure, 310
Clouds: Amount, 7; Kind, Cu; Direction, N
Velocity of clouds (miles per hour)

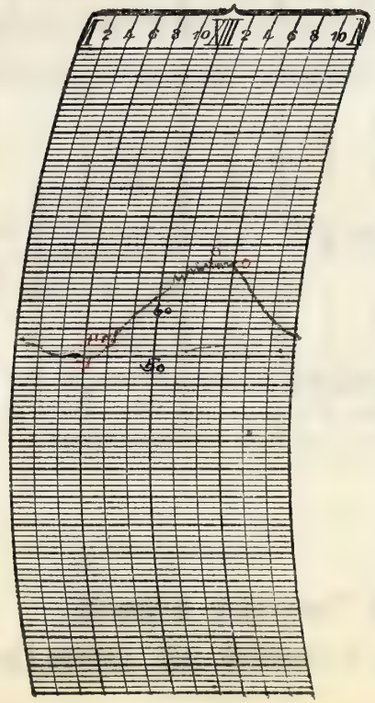
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by C. McDonough
Verified by C. McDonough

8—486

## NOTES.

Decreasing Cloudiness from the a. m. observation; clear after 2:30 p.m. Quite cool in the early morning hours, with a minimum temperature of 49° shortly after 2 a.m.; the temperature moderated after the morning observation, but attained only a maximum of 68° during the day. The weather was invigorating and not unpleasant as a rule.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Iowa Wesleyan Insts., (Day of week) Wednesday, (Date) JUN -9 1909, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 53 | 52 | 52 | 50 | 51 | 55 | 58 | 62 | 64 | 65 | 68 | 69 | 71 | 73 | 73 | 74 | 72 | 72 | 71 | 66 | 64 | 64 | 63 | 63 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | | | | | | | | | | | | | | |

Pt. cloudy 7 A — Clear — 7 P — Pt. cloudy - 8

Sunrise: Time, 4:08 Character, Clear
Moonrise: 1:33a —
Sunset: Time, 7:12 Character, Cloudy
Moonset: 2:37P Cloudy

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sunshine (in tenths of hours) | | | | | 0.8 | 0.6 | | | | | | | | | | | | | | | | | | |
| | | | | | 0 | 0.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.4 | 0.3 | 0 | 0 | | | | |
| Wind direction | NW | NW | NW | NW | NW | NE | NE | NE | NE | E | E | E | E | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | O |
| Wind movement | 4 | 5 | 3 | 4 | 3 | 5 | 3 | 5 | 6 | 5 | 4 | 5 | 5 | 5 | 4 | 3 | 3 | 3 | 1 | 4 | 4 | 3 | 1 | 0 |
| Maximum velocities (exceeding 5 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

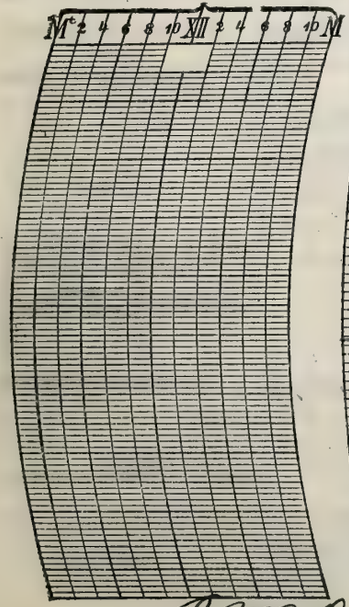
| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 75 | 50 | 62 | |

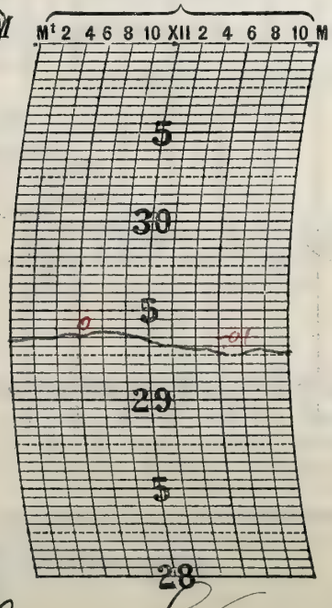
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 12.6 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 83
Prevailing wind direction, NE Total wind 88
Average hourly velocity, 3.7 Extreme velocity, 8
Maximum velocity, 8 Direction, NE
Time began, 9:59 a.m.
Reduced barometer, 30.29 7 a. m. 30.18 7, p. m.
River gage, 14 feet
Relative humidity, 69 7 a. m. 36 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 68.0 Wet temperature, 54.1
Dew-point, 42 R. humidity, 39 V. pressure, 266
Clouds: Amount, 3; Kind, Cst; Direction, N
Velocity of clouds (miles per hour)

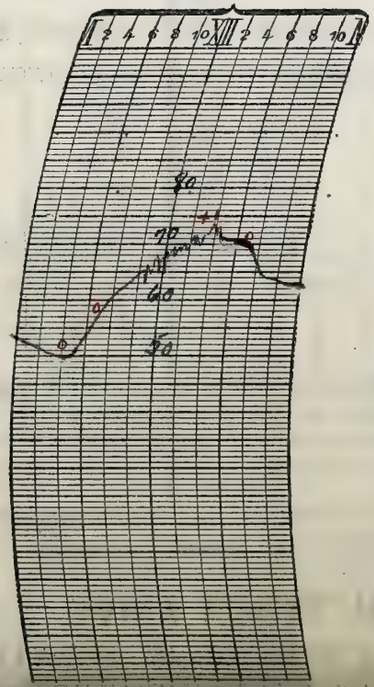
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by C. McDonough
Verified by C. McDonough

## NOTES.

The weather during the day was generally partly cloudy and pleasant.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Sunday, (Date) JUN 10 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 62 | 62 | 62 | 61 | 59 | 60 | 62 | 63 | 67 | 70 | 71 | 71 | 71 | 72 | 72 | 73 | 72 | 71 | 70 | 68 | 68 | 66 | 64 | 62 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | R.B 9:10 | - - | - - |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | T | .01 | .05 |
| Cloudiness and other conditions | | | | 1 | Cloudy | | | | | | | | X | Cloudy | | | | | | | | | 8 | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 02 | 05 | 10 | 10 | 07 | 0 | 0 | 02 | 06 | 0 | 0 | 0 | 0 | | | | |
| Wind direction | NE | S | S | S | S | SE | E | E | E | SE | SE | SE | E | E | E | E | E | E | E | E | E | E | E | E |
| Wind movement | 1 | 5 | 3 | 1 | 3 | 2 | 1 | 3 | 3 | 4 | 6 | 5 | 6 | 6 | 5 | 5 | 6 | 6 | 4 | 4 | 4 | 6 | 4 | 6 |
| Maximum velocities (exceeding 20 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:08 Character, Cloudy
Moonrise: 2:03 a

Sunset: Time, 7:12 Character, Cloudy
Moonset: 3:34 p Cloudy

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | |

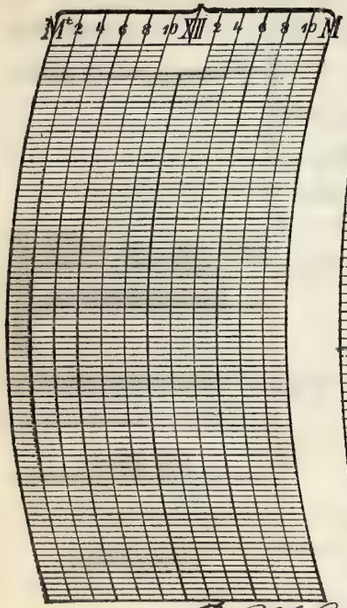
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 73 | 59 | 66 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0.06 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 4.2 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 28
Prevailing wind direction, E Total wind 99
Average hourly velocity, 4.1 Extreme velocity, 8
Maximum velocity, 8 Direction, E
Time began, 12:15 PM
Reduced barometer, 30.18 7 a. m. 30.05 7 p. m.
River gage, 1.5 feet
Relative humidity, 74 7 a. m. 54 7 p. m.

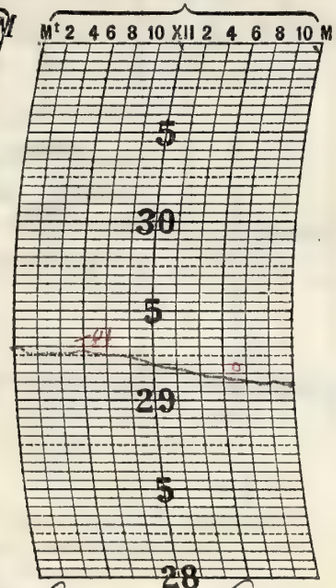
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 71.5 Wet temperature, 57.5
Dew-point, 47 R. humidity, 42 V. pressure, 322
Clouds: Amount, 8; Kind, St.Cu. Direction, E
Velocity of clouds (miles per hour)

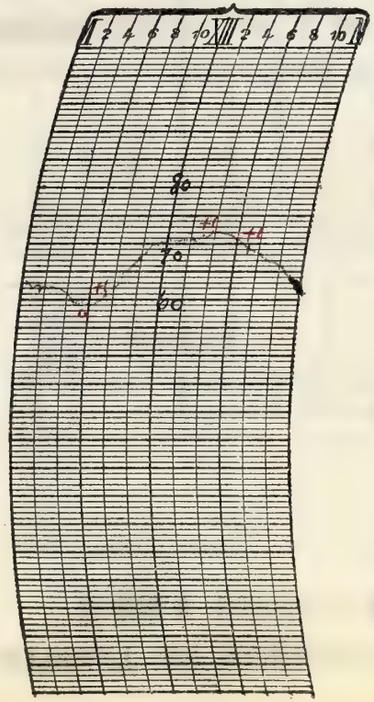
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by J. McDonough
Verified by J. McDonough

8—486

## NOTES.

Moderate temperature and cloudy, with rain beginning at 9:10 pm and continuing into the 11th. Quite pleasant during Sunday.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) ..... , (Day of week) ..... , (Date) ..... , 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 61 | 60 | 60 | 59 | 59 | 59 | 60 | 58 | 59 | 62 | 62 | 62 | 64 | 66 | 66 | 68 | 68 | 67 | 67 | 65 | 64 | 64 | 63 | 63 |
| State of weather. Nature of precipitation and time of beginning and ending | – | – | – | – | – | – | RE 6:35 | | | RB 9:15 RE 9:25 | | RB 11:50 | RE 12:00 | | | | | | | | | | | |
| Amounts of precipitation | .03 | .11 | .02 | .01 | T | T | .01 | | | T | | T | T | | | | | | | | | | | |
| Cloudiness and other conditions | Cloudy | | | | | | | | | | | | Cloudy | | | | | | | | | | | |
| Sunrise: Time, 4:08 Character, Cloudy. Moonrise: 1:34a | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 7:13 Character, Cloudy. Moonset: 4:30p Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0.2 | 0.6 | 0 | 0.2 | 0.5 | 0.8 | 0.1 | 0 | 0 | 0 | 0 | 0 | | | | |
| Wind direction | NE | E | E | E | E | E | E | NE | NE | NE | NE | NE | NE | NE | E | NE | E | NE | NE | NE | NE | NE | 0 | 0 |
| Wind movement | 3 | 3 | 4 | 4 | 4 | 6 | 7 | 8 | 9 | 8 | 9 | 9 | 8 | 7 | 5 | 6 | 6 | 3 | 5 | 5 | 5 | 4 | 0 | 0 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

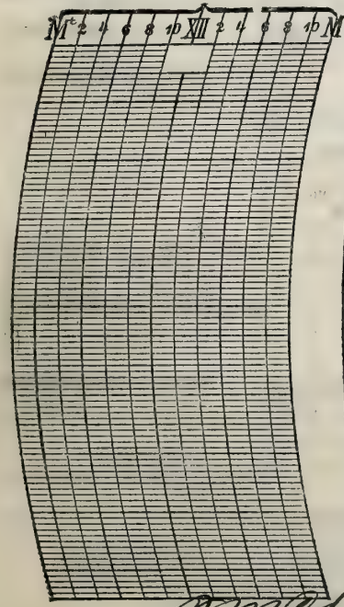
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 68 | 58 | 63 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .24 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .18 inches.
Character of day, Cloudy. Moon phase, .....
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 2.4 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 16
Prevailing wind direction, NE Total wind 128
Average hourly velocity, 5.3 Extreme velocity, 12
Maximum velocity, 12 Direction, NE
Time began, 11:20 am
Reduced barometer, 29.98 7 a. m. 29.94 7 p. m.
River gage, 15 feet
Relative humidity, 92 7 a. m. 62 7 p. m.

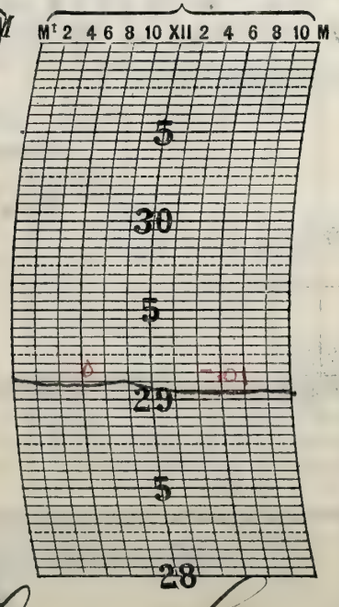
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 64.0 Wet temperature, 58.5
Dew-point, 55 R. humidity, 72 V. pressure, 432
Clouds: Amount, 10; Kind, St.; Direction, E
Velocity of clouds (miles per hour) .....

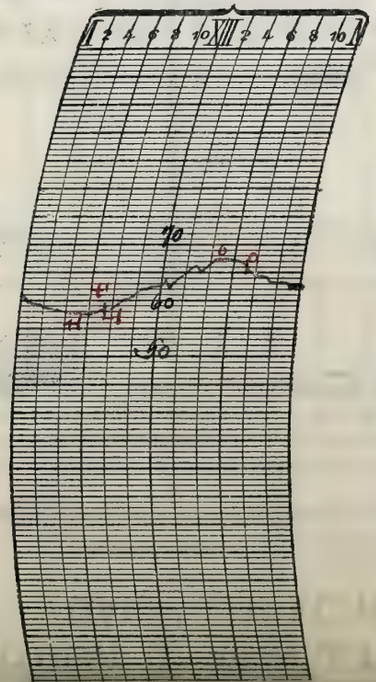
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




NOTES.

Cloudy day, with light rain first half of day - moderate temperature and not unpleasant weather.

Prepared by P. McDonough

Verified by P. McDonough

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) [illegible], (Date) [illegible], 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 63 | 63 | 62 | 61 | 60 | 60 | 62 | 66 | 68 | 71 | 73 | 74 | 74 | 76 | 75 | 74 | 74 | 72 | 70 | 67 | 65 | 64 | 61 | 60 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | L— Cloudy — | | | | X Pt. Cloudy | | | L | — Cloudy — | | | X Pt. Cloudy | | L Clear | | — | | | | |
| Sunrise: Time, 4:08 Character, Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 7:13 Character, Cloudy | | | |
| Moonrise: 3:24 | | | | | | | | | | | | | | | | | | | | | Moonset: 5:21 Clear | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 08 | 10 | 10 | 10 | 10 | 10 | 10 | 06 | 0 | 10 | 02 | 0 | 0 | | | | |
| Wind direction | NE | O | NE | NE | NE | NE | NE | E | NE | NE | NE | NE | NE | NE | NE | E | NE | NE | E | E | E | E | E | E |
| Wind movement | 1 | 0 | 1 | 5 | 8 | 8 | 6 | 8 | 7 | 6 | 8 | 11 | 10 | 9 | 9 | 8 | 11 | 10 | 7 | 6 | 6 | 5 | 5 | 2 |
| Maximum velocities (exceeding 20 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

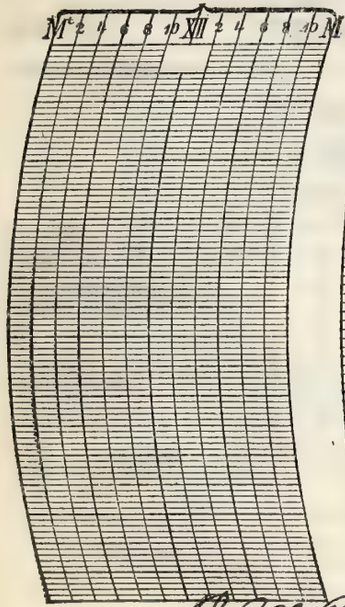
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 76 | 60 | 68 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 8.6 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 57
Prevailing wind direction, NE Total wind, 157
Average hourly velocity, 6.5 Extreme velocity, 14
Maximum velocity, 13 Direction, NE
Time began, 11:13 a.m.
Reduced barometer, 29.94 7 a. m. 29.92 2, p. m.
River gage, 1.8 feet
Relative humidity, 84 7 a. m. 47 7 p. m.

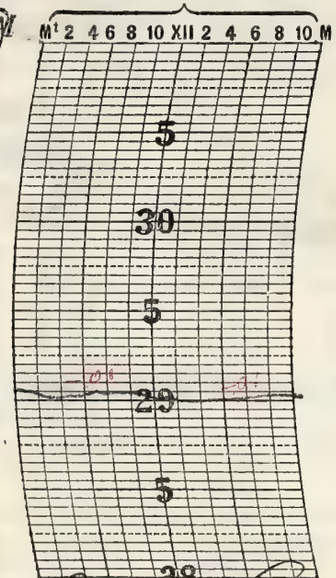
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 73.2 Wet temperature, 59.8
Dew-point, 51 R. humidity, 45 V. pressure, 373
Clouds: Amount, 10; Kind, Ast; Direction, E
Velocity of clouds (miles per hour)

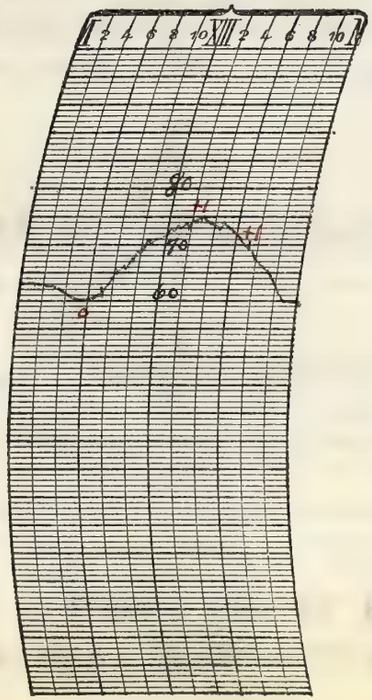
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by P. McDonough

Verified by P. McDonough

8—486

NOTES.

Variable Cloudiness and pleasantly warm weather. Sunshine through Alto-Stratus Clouds.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) Wednesday, (Date) [illegible], 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 58 | 57 | 56 | 55 | 53 | 55 | 57 | 62 | 66 | 68 | 71 | 73 | 73 | 74 | 76 | 76 | 76 | 74 | 73 | 71 | 70 | 68 | 66 | 65 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation Cloudiness and other conditions | | | | | L— Cloudy —— | | | | | | | | Cloudy | | | Pt. Cloudy | Pt. Cloudy | Clear | | | | | | |
| Sunrise: Time, 4:38 Character, Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, [illegible] Character, Clear | | | |
| Moonrise: 3:48 | | | | | | | | | | | | | | | | | | | | | Moonset: 4:22 Clear | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.6 0.4 | 1.0 d | 1.0 d | 0.2 0 | | | | |
| Wind direction | E | NE | NE | NE | NE | NE | NE | E | E | E | E | N | NW | NW | W | W | SW | SW | SW | SW | SW | SW | W | SW |
| Wind movement | 3 | 4 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 4 | 5 | 7 | 5 | 4 | 6 | 5 | 5 | 4 | 6 | 5 | 4 | 6 |
| Maximum velocities (exceeding 20 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

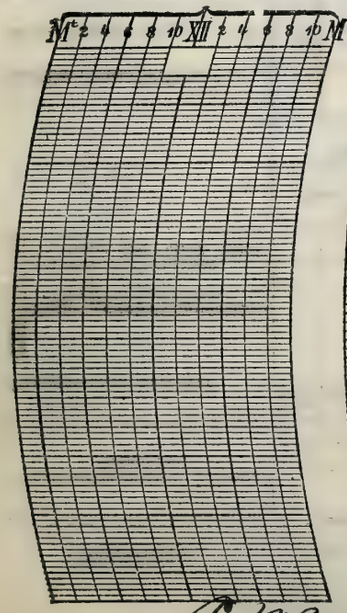
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 77 | 53 | 65 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day Pt. Cloudy Moon phase,
Average daily cloudiness (0–10), 7
Actual sunshine, hours, 12.1 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 80
Prevailing wind direction, SW Total wind 94
Average hourly velocity, 3.9 Extreme velocity, 8
Maximum velocity, 8 Direction, W
Time began, 1237 P.M.
Reduced barometer, 29.97 7 a. m. 29.90 7 p. m.
River gage, 1.6 feet
Relative humidity, 61 7 a. m. 57 7 p. m.

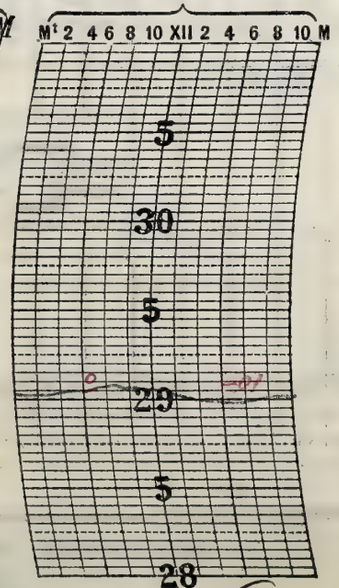
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 74.0 Wet temperature, 66.8
Dew-point, 47 R. humidity, 39 V. pressure, .322
Clouds: Amount, 10; Kind, Cst; Direction, NW
Velocity of clouds (miles per hour)

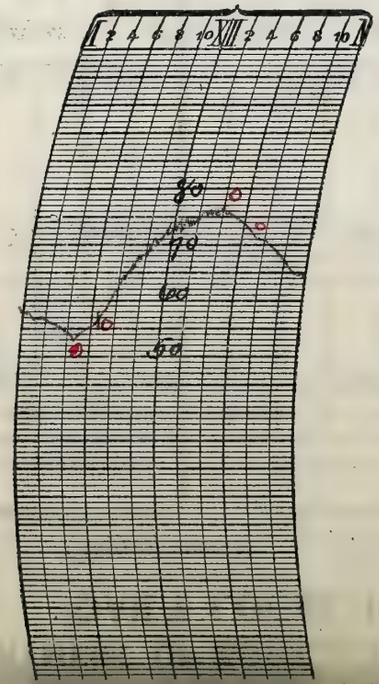
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by T. McDonough

Verified by T. McDonough

## NOTES.

Cool in the morning, but the temperature moderated during the day. Cloudiness prevailed during a large part of the day, with light haze in the evening. The sun set in a deep red.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) ....., (Date) JUN 14 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 64 | 63 | 62 | 60 | 60 | 61 | 65 | 69 | 72 | 71 | 74 | 79 | 75 | 81 | 82 | 81 | 81 | 80 | 78 | 75 | 72 | 72 | 70 | 69 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | L | L | L | L | Pt. Cloudy | | | | | Int. cloudy | | | | | Clear | | T | | | | |
| Sunrise: Time, Character, 4:08 Cloudy. Moonrise: 12:16a | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 7:14 Cloudy. Moonset: 11:52p Clear | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 07 | 09 | 1.0 | 02 | 05 | 10 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.10 | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | SW | W | SW | W | W | NW | NW | NW | N | N | N | NW | NW | NW | 0 | SW |
| Wind movement | 5 | 6 | 7 | 7 | 9 | 8 | 10 | 10 | 10 | 8 | 9 | 10 | 9 | 12 | 17 | 15 | 13 | 9 | 5 | 2 | 2 | 1 | 0 | 2 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

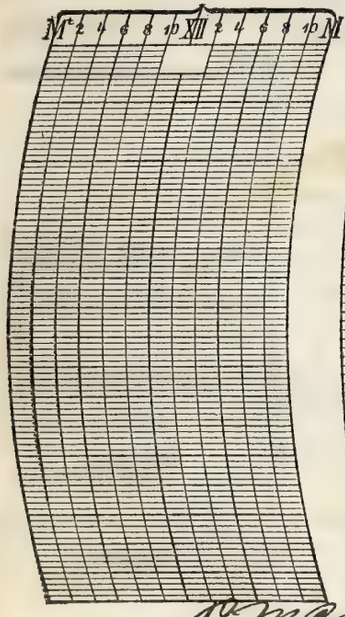
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 83 | 60 | 72 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase, New - 6:42a
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 11.4 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 75
Prevailing wind direction, SW Total wind 186
Average hourly velocity, 7.8 Extreme velocity, 22
Maximum velocity, 19 Direction, NW
Time began, 2:12 PM
Reduced barometer, 29.94 7 a. m. 29.91 7, p. m.
River gage, 1.5 feet
Relative humidity, 78 7 a. m. 50 7 p. m.

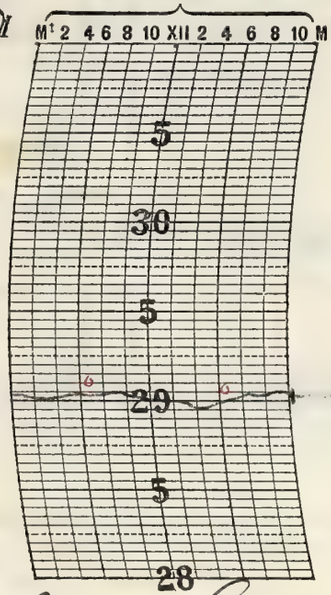
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 78.4 Wet temperature, 66.7
Dew-point, 60 R. humidity, 54 V. pressure, .517
Clouds: Amount, 5; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

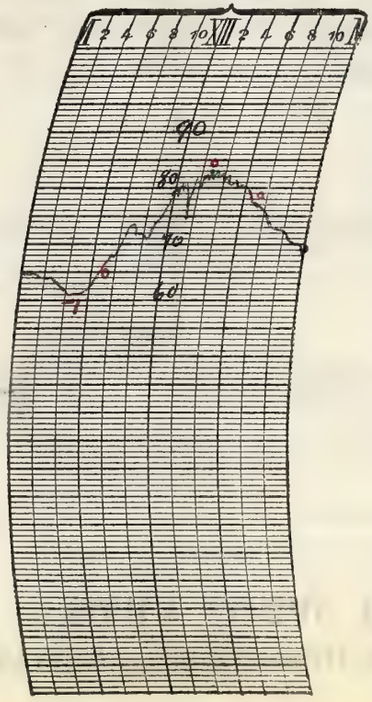
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by P. McDonough
Verified by P. McDonough

8—486

## NOTES.

From eye observation,

Light haze from early morning until 10 a.m. Variable clouds and cloudiness during the day, but mostly partly cloudy; night clear - Moderately warm and quite humid.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) ....., (Day of week) ....., (Date) ....., 192

Time (local standard). 90th mer. normal time.

| | A. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 69 | 66 | 66 | 65 | 64 | 66 | 70 | 73 | 74 | 71 | 68 | 66 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | RB 9.20 | -- | RE 11.50 |
| Amounts of precipitation | | | | | | | | | | T | .06 | .03 |
| Cloudiness and other conditions | | | | | ← Clear | | | | | | Cloudy | |
| Sunrise: Time, Character, 4.08 Clear | | | | | | | | | | | | |
| Moonrise: 6.21 Clear | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0.7 | 0.7 | 0.7 | 0.4 | 0 | 0 |
| Wind direction | 0 | SW | 0 | SW | SW | SW | SW | SW | SW | W | W | NW |
| Wind movement | 0 | 3 | 0 | 1 | 1 | 3 | 2 | 1 | 6 | 14 | 11 | 7 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | |

| | P. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 69 | 71 | 73 | 75 | 77 | 75 | 75 | 71 | 70 | 68 | 68 | 67 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | |
| Cloudiness and other conditions | Cloudy | | | | Cloudy | | Pt. Cloudy | | Cloudy | | | |
| Sunset: Time, Character, 7.14 Cloudy | | | | | | | | | | | | |
| Moonset: 8.06 Cloudy | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | 0 | 0.9 | 1.0 | 1.0 | 1.0 | 0 | 0 | 0 | | | | |
| Wind direction | NW | SW | NW | NW | NW | W | SW | W | SW | SW | SW | W |
| Wind movement | 6 | 13 | 7 | 8 | 5 | 4 | 5 | 5 | 5 | 3 | 4 | 2 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 77 | 64 | 70 | |

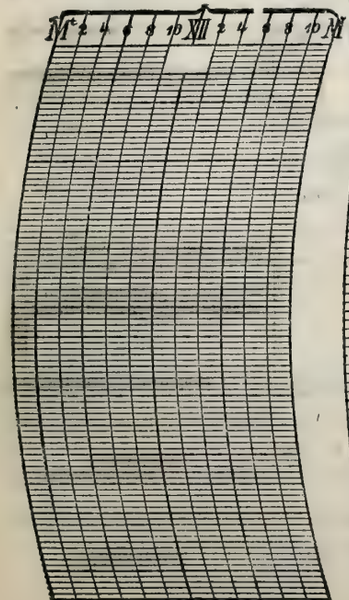
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .09 ins.
Total precipitation, midnight to midnight, .09 inches.
Character of day, Cloudy Moon phase, .....
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 8.6 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 57
Prevailing wind direction, SW Total wind, 116
Average hourly velocity, 4.8 Extreme velocity, 20
Maximum velocity, 18 Direction, SW
Time began, 8.50 a.m.
Reduced barometer, 29.94 7 a. m. 29.94 7 p. m.
River gage, 1.6 fall
Relative humidity, 72 7 a. m. 74 7 p. m.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | |

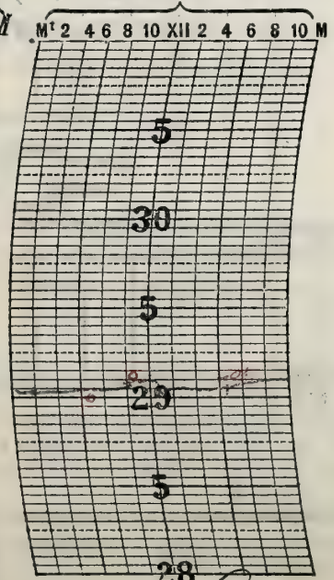
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 67.0 Wet temperature, 65.0
Dew-point, 64 R. humidity, 90 V. pressure, .595
Clouds: Amount, 10; Kind, Nb; Direction, SW
Velocity of clouds (miles per hour)

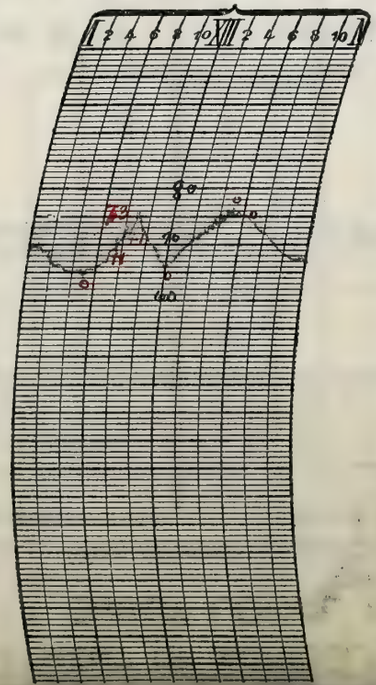
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by F. McDonough
Verified by F. McDonough

## NOTES.

Light haze from early morning until 9:00 am
Generally partly cloudy weather with mild temperature, but rather humid air. A fine shower fell between 9:30 am and 11:50 am

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JUN 16 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 67 | 66 | 64 | 63 | 63 | 62 | 62 | 62 | 64 | 71 | 77 | 80 | 82 | 83 | 85 | 85 | 85 | 84 | 84 | 80 | 79 | 76 | 71 | 66 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | Dense fog | — | — | Fog | — | — | Clear | — | — | — | — | — | — | Clear | — | — | — | — | — | — | — |
| Sunrise: Time, Character, Moonrise: | 4.03 Foggy | | | | | | | | | | | | | | | | | | | | Sunset: Time 7.15, Character Cloudy; Moonset: 8.22 Clear | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | 0 | | | | |
| Wind direction | W | W | O | N | N | NE | NE | NE | NE | N | NW | NW | NW | NW | NW | NW | NW | NW | W | W | N | N | N | NE |
| Wind movement | 1 | 1 | 0 | 1 | 2 | 2 | 2 | 1 | 3 | 3 | 3 | 4 | 5 | 5 | 6 | 4 | 5 | 2 | 2 | 1 | 3 | 1 | 5 | 4 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

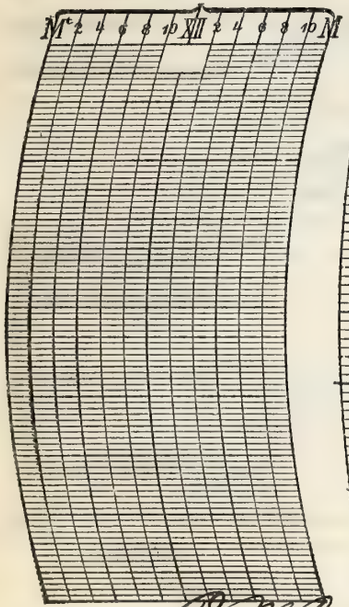
| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 87 | 61 | 74 | |

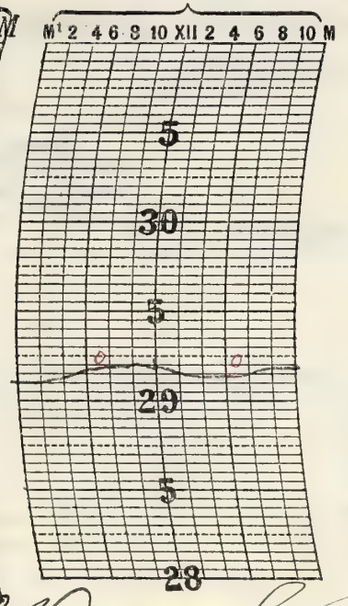
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 10.7 Possible sunshine, hours, 13.1
Per cent of possible sunshine, 71
Prevailing wind direction, NW Total wind 66
Average hourly velocity, 2.8 Extreme velocity, 7
Maximum velocity, 7 Direction, NW
Time began, 3:46 pm
Reduced barometer, 30.07 7 a. m. 30.03 7, p. m.
River gage, 1.6 feet
Relative humidity, 100 7 a. m. 42 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)
Dry temperature, 80.0 Wet temperature, 65.8
Dew-point, 56 R. humidity, 45 V. pressure, 448
Clouds: Amount, 1; Kind, Cu.; Direction, SW
Velocity of clouds (miles per hour)

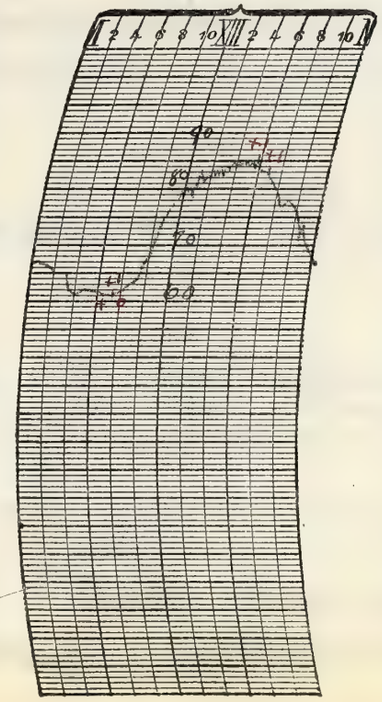
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by C. M. Donough
Verified by C. M. Donough

8—486

## NOTES.

Ø from eye observation

Dense fog began during the early hours of the morning and ended at 7:45 am; light fog prevailed from 7:45 am to 8:45 am.

The thermometers at the a.m. observation were wet from moisture precipitated from fog.

For the most part the day was clear; also the night, warm and muggy during most of the day, but pleasant night temperatures.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) _____, (Day of week) Saturday, (Date) _____, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 66 | 65 | 64 | 63 | 62 | 64 | 67 | 75 | 79 | 83 | 84 | 85 | 87 | 88 | 88 | 87 | 87 | 86 | 84 | 80 | 79 | 77 | 75 | 73 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | L | — | Clear | — | — | — | — | — | — | — | — | — | — | Clear | — | — | — | T | | |
| Sunshine (in tenths of hours) | | | | | 0.8T | 1.0 | 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 1.0 | 1.0 | 0.6 | 0 | | | | |
| | | | | | 0 | 0 | 0.8 | | | | | | | | | | | | | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | NE | NE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | S | S | S | S |
| Wind movement | 4 | 4 | 4 | 4 | 5 | 3 | 4 | 1 | 3 | 4 | 5 | 7 | 7 | 6 | 7 | 7 | 8 | 7 | 5 | 6 | 7 | 5 | 6 | 4 |

Sunrise: Time, 4:08 Character, Clear
Moonrise: 7:12 a Clear
Sunset: Time, 7:15 Character, Cloudy
Moonset: 9:36 p Clear

Maximum velocities (exceeding 29 miles) direction and time.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

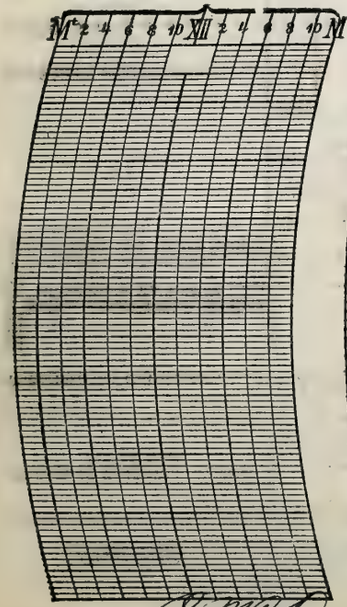
Excessive precipitation, accumulated amounts

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 89 | 62 | 76 | |

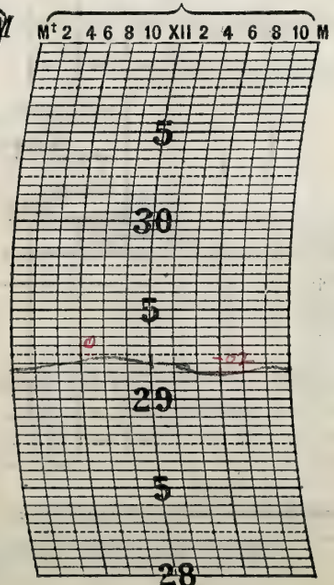
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, _____
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 14.3 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 95
Prevailing wind direction, SE Total wind 123
Average hourly velocity, 5.1 Extreme velocity, 11
Maximum velocity, 11 Direction, SE
Time began, 4:28 P.M.
Reduced barometer, 30.12 7 a. m. 30.03 7 p. m.
River gage, 1.4 feet
Relative humidity, 83 7 a. m. 53 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 86.0 Wet temperature, 69.2
Dew-point, 60 R. humidity, 43 V. pressure, .517
Clouds: Amount, 3; Kind, Cu.; Direction, S
Velocity of clouds (miles per hour) _____

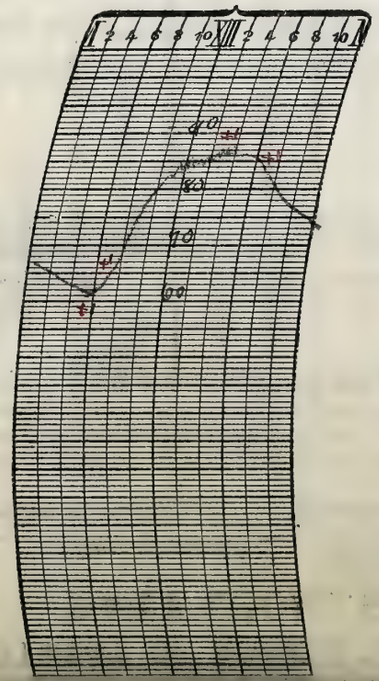
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by P. McDonough
Verified by P. McDonough

NOTES. From eye observation

Day and night generally clear and humid. The highest temperature of the year, 89°, occurred today.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Monday, (Date) JUN 1 0 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 72 | 71 | 70 | 70 | 69 | 70 | 74 | 78 | 83 | 86 | 87 | 89 | 89 | 89 | 91 | 90 | 89 | 88 | 86 | 82 | 80 | 78 | 77 | 74 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | 4 | Clear | | | | | | 7 | Pt Cloudy | 1 | 1 | Cloudy | 4 | Cloudy | 4 | Haze | 1 | Clear | 7 | | |
| Sunrise: Time, Character; Moonrise: | Time 4:08 Character Clear; Moonrise 8:15a Clear | | | | | | | | | | | | | | | | | | | | Sunset: Time 7:15 Character Cloudy; Moonset: 10:46p Clear | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0 | | | | |
| Wind direction | S | S | S | SE | S | S | S | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW |
| Wind movement | 5 | 4 | 3 | 5 | 5 | 7 | 9 | 8 | 9 | 12 | 16 | 14 | 14 | 14 | 13 | 15 | 13 | 10 | 8 | 7 | 9 | 8 | 7 | 6 |
| Maximum velocities (exceeding ___ miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration: From— | To— | Total amount of precipitation. | Excessive rate: Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below: 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

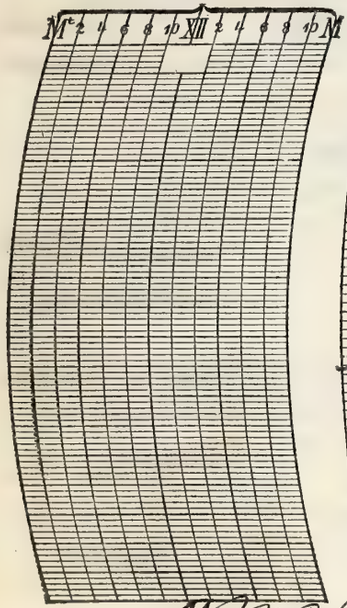
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 91 | 69 | 80 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 2 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 14.7 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 97
Prevailing wind direction, SW Total wind 221
Average hourly velocity, 9.2 Extreme velocity, 19
Maximum velocity, 17 Direction, SW
Time began, 11:22 a.m.
Reduced barometer, 30.09 7 a. m. 30.02 7 p. m.
River gage, 1.4 feet
Relative humidity, 78 7 a. m. 48 p. m.

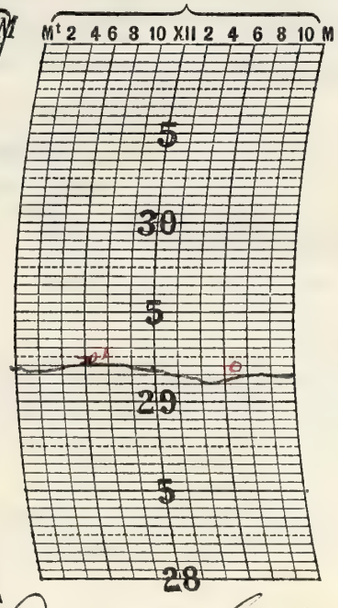
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 87.1 Wet temperature, 71.7
Dew-point, 64 R. humidity, 47 V. pressure, .595
Clouds: Amount, 7; Kind, Cu.; Direction, SW
Velocity of clouds (miles per hour)

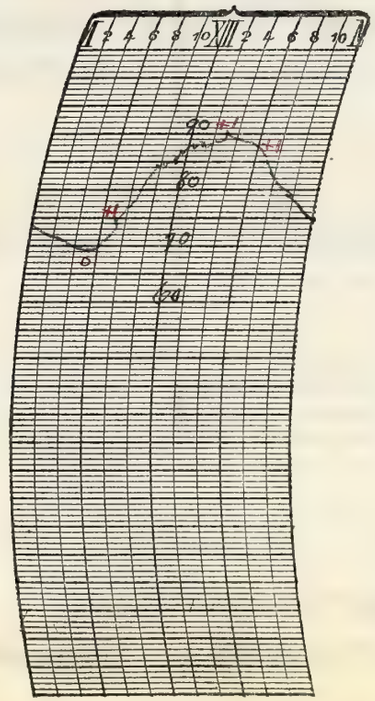
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by F. McDonough
Verified by F. McDonough

8—486

NOTES. * From eye observation

Generally clear in the forenoon and some cloudiness and light haze in the afternoon. Intensely warm, with high humidity. Maximum temperature 91°, highest of the year.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) Thursday, (Date) JUN 19 1924, 192

Time (local standard). 75th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 73 | 72 | 71 | 70 | 70 | 72 | 76 | 80 | 83 | 85 | 86 | 88 | 89 | 90 | 91 | 91 | 89 | 88 | 86 | 83 | 80 | 78 | 77 | 75 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation Cloudiness and other conditions | | | L | L | Fr haze Clear | | | | | | | | X Clear | | X | -88. Cloudy | X | Cloudy | X | Clear | ? | | | |

Sunrise: Time, 4:08 Character, Clear
Moonrise: 9:22 Clear
Sunset: Time, 7:16 Character, Cloudy
Moonset: 10:53 p Clear

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sunshine (in tenths of hours) | | | | | 0 | 0.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 0.4 | 0 | 0 | 0 | | | | |
| Wind direction | SW | SW | SW | S | S | S | SW | SW | SW | SW | W | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW |
| Wind movement | 4 | 6 | 6 | 8 | 8 | 9 | 9 | 12 | 12 | 16 | 12 | 14 | 14 | 13 | 12 | 12 | 10 | 8 | 5 | 6 | 7 | 9 | 8 | 5 |
| Maximum velocities (exceeding [illegible] miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

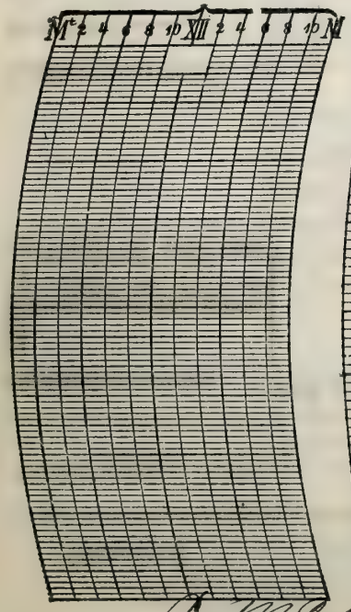
| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 92 | 70 | 81 | |

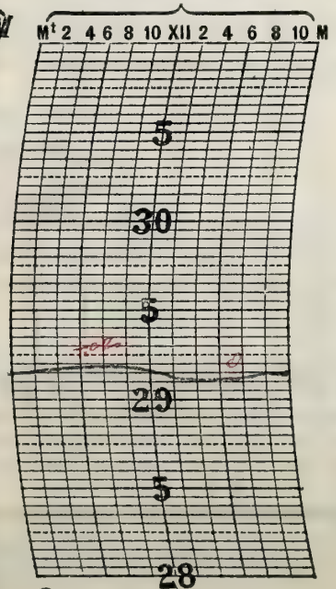
Total depth of snow for 24 hours ending 7 a. m., 0 inches.
Snow, sleet, and hail on ground 7 a. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 12.2 Possible sunshine, hours, 15.
Per cent of possible sunshine, 81
Prevailing wind direction, SW Total wind 225
Average hourly velocity, 9.4 Extreme velocity, 22
Maximum velocity, 19 Direction, SW
Time began, 11:20 am
Reduced barometer, 30.06 7 a. m. 30.01 7 p. m.
River gage, 1.4 feet
Relative humidity, 74 7 a. m. 37 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 87.8 Wet temperature, 70.9
Dew-point, 63 R. humidity, 43 V. pressure, .575
Clouds: Amount, 2; Kind, Cu ast.; Direction, W.
Velocity of clouds (miles per hour)

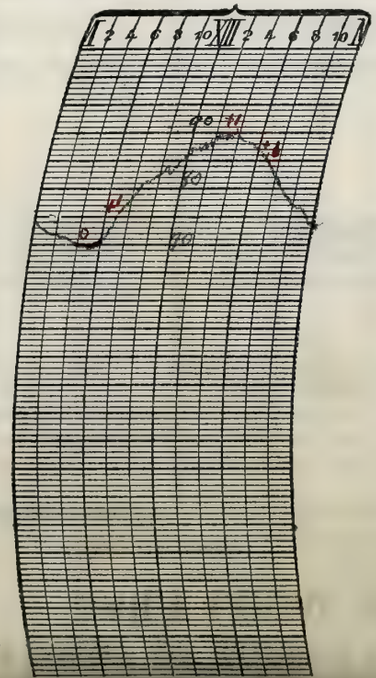
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by P. McDonough
Verified by P. McDonough

## NOTES.

Light haze from early morning until 9:30 am. Some alto-stratus clouds from the west during the forenoon and early afternoon, the amount increasing in late afternoon, but night generally clear with a hazy moon. The highest temperature of the year, 92°, occurred today. The day was sultrily warm, but with decreasing humidity.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Wednesday, (Date) JUN 20 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 73 | 72 | 70 | 69 | 69 | 72 | 75 | 81 | 84 | 86 | 88 | 88 | 89 | 91 | 92 | 92 | 92 | 91 | 88 | 85 | 84 | 80 | 78 | 77 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | 2 — Clear — | | | | | | | | Cloudy — 7 — | | | | | | Clear — 7 | | | | | |
| Sunrise: Time, Character, Moonrise: | 4:52 Clear 10:25 Cloudy | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, Moonset: | 7:21 Cloudy 11:28 pm | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.5 | 0 | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | SW | W | W | W | SW | SW | SW | W | W | W | W | W | W | SW | SW | SW |
| Wind movement | 5 | 6 | 5 | 4 | 5 | 6 | 8 | 6 | 9 | 9 | 8 | 9 | 8 | 8 | 8 | 8 | 7 | 5 | 3 | 2 | 1 | 1 | 2 | 3 |
| Maximum velocities (exceeding 27 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

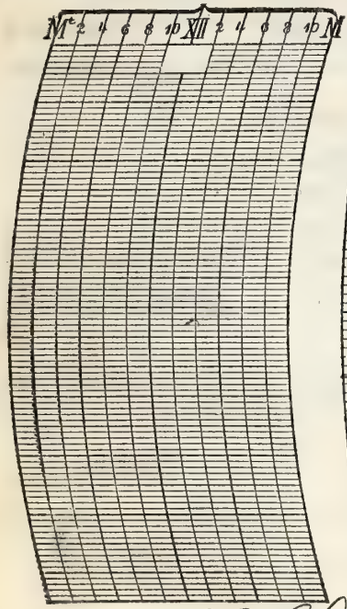
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 92 | 69 | 80 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 2 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 14.4 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 95
Prevailing wind direction, SW Total wind, 136
Average hourly velocity, 5.7 Extreme velocity, 12
Maximum velocity, 12 Direction, SW
Time began, 9:34 a.m.
Reduced barometer, 30.08 7 a. m. 30.00 7 p. m.
River gage, 1.4 Fall
Relative humidity, 66 7 a. m. 43 7 p. m.

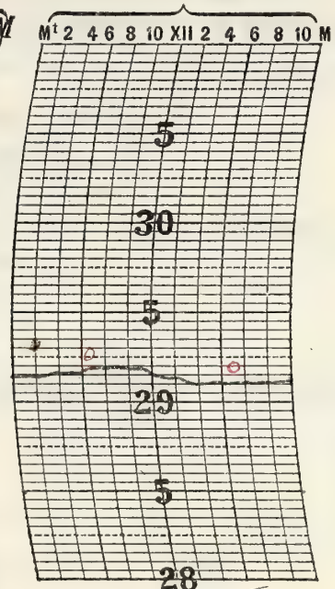
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 87.0 Wet temperature, 70.0
Dew-point, 62 R. humidity, 42 V. pressure, 555
Clouds: Amount, 4; Kind, Cus.; Direction, SW
Velocity of clouds (miles per hour)

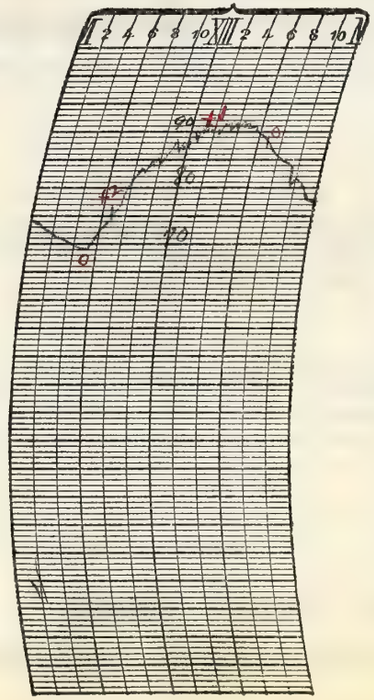
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by C. M. Donough
Verified by C. M. Donough

8—486

## NOTES.

Generally clear and extremely warm weather — Faint moonlight at night.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JUN 21 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 77 | 76 | 73 | 73 | 72 | 75 | 80 | 83 | 84 | 86 | 88 | 91 | 93 | 93 | 84 | 84 | 85 | 84 | 83 | 81 | 78 | 78 | 77 | 77 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | L-Cloudy-7L | | | | Cloudy 7L | | Clear | | — | | X | Cloudy | K | Cloudy | K | Pt. Cloudy | K | | | |

Sunrise: Time, 4:52 Character, Cloudy
Moonrise: 11:32 P Cloudy

Sunset: Time, 7:46 Character, Cloudy
Moonset:

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 09 | 07 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | 0.4 | 0 | 0 | 0 | 0 | | | | |
| Wind direction | SW | 0 | W | W | W | SW | W | NW | NW | NW | NW | NW | SW | W | NE | NE | NE | NE | NE | N | E | SE | SE | 0 |
| Wind movement | 2 | 0 | 2 | 1 | 2 | 2 | 3 | 6 | 8 | 7 | 6 | 6 | 5 | 5 | 13 | 9 | 4 | 4 | 5 | 5 | 4 | 2 | 2 | 0 |
| Maximum velocities (exceeding ___ miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

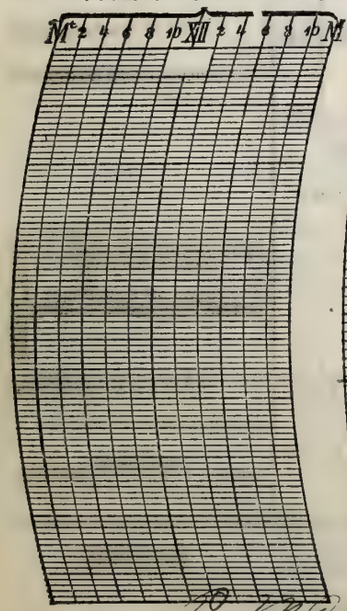
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 94 | 72 | 83 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase, F.Q. - 2:46 p.m.
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 8.7 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 58
Prevailing wind direction, NE, W, NW Total wind 103
Average hourly velocity, 4.3 Extreme velocity, 23
Maximum velocity, 21 Direction, NE
Time began, 2:31 P.M.
Reduced barometer, 30.11 a. m. 30.03 p. m.
River gage, 13 feet
Relative humidity, 62 a. m. 58 p. m.

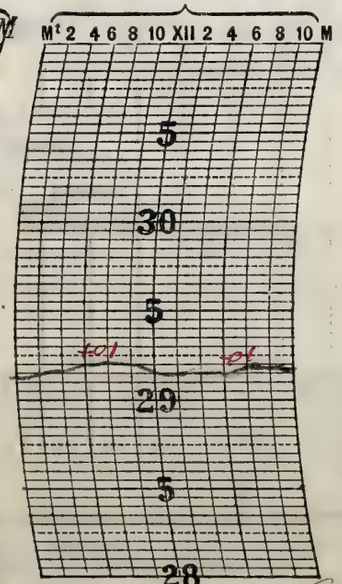
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 88.3 Wet temperature, 72.0
Dew-point, 65 R. humidity, 45 V. pressure, .616
Clouds: Amount, 3; Kind, Cu.; Direction, NW.
Velocity of clouds (miles per hour)

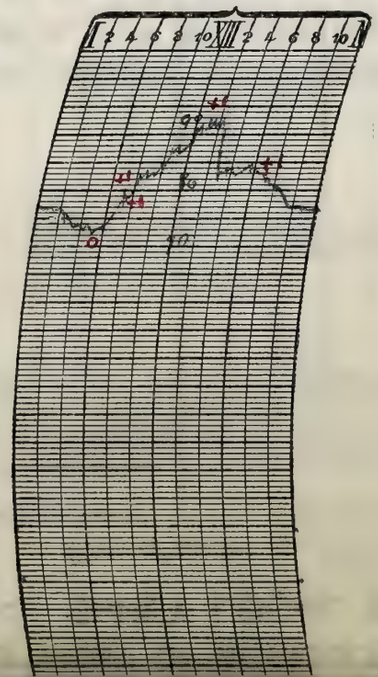
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by J. McDonough

Verified by P. McDonough

## NOTES.

The weather was generally partly cloudy and the highest temperature of the year 94° occured between 1 & 2 pm, but a moderate thunder storm which occurred to the east of station between 2:15 pm and 4:00 pm caused the temperature to fall slightly, but without giving decided relief as the humidity was high. There was some moonlight in the night from a pale moon

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) ____, (Date) JUN 22 1923, 192

Time (local standard). 90 mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 76 | 75 | 73 | 72 | 70 | 71 | 76 | 82 | 87 | 89 | 90 | 92 | 92 | 93 | 94 | 92 | 92 | 89 | 87 | 82 | 80 | 79 | 77 | 74 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | L | Clear | | | | | | K-Ph | | Cldy-TL | | | | | Clear | | | | Y | | |
| Sunrise: Time, Character, 4:09 Clear. Moonrise: 12:11 Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 7:16 Clear. Moonset: 12:02 a | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0 | 0 | | | | |
| Wind direction | C | C | C | C | NE | NE | NE | NE | NE | NE | NE | NE | NW | N | NE | NE | NE | NE | E | E | E | SE | E | E |
| Wind movement | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 1 | 4 | 4 | 5 | 3 | 5 | 10 | 7 | 7 | 6 | 3 | 6 | 6 | 5 | 2 | 2 | 2 |
| Maximum velocities (exceeding ____ miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

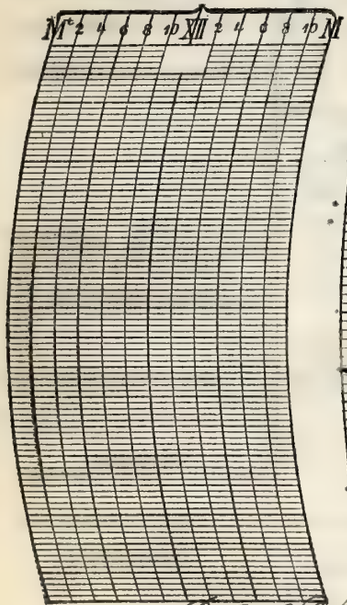
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 94 | 70 | 82 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 6 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 15.0 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 99
Prevailing wind direction, NE Total wind 82
Average hourly velocity, 3.4 Extreme velocity, 14
Maximum velocity, 13 Direction, NE
Time began, 1:41 P.M.
Reduced barometer, 30.11 7 a. m. 30.01 7 p. m.
River gage, 1.3 fut
Relative humidity, 74 7 a. m. 55 7 p. m.

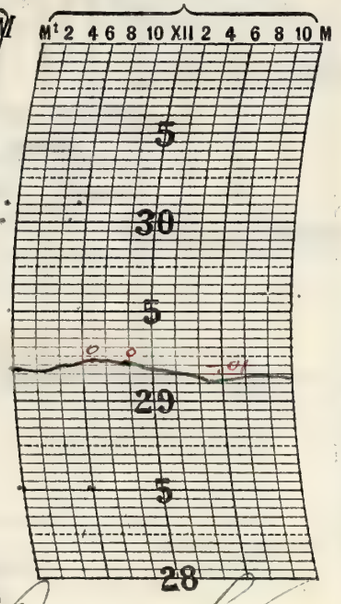
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 90.6 Wet temperature, 73.9
Dew-point, 67 R. humidity, 45 V. pressure, 661
Clouds: Amount, 6; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

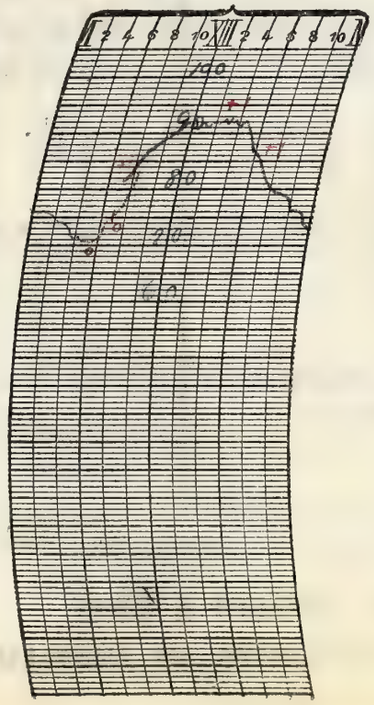
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by P. McDonough Sig
Verified by P. McDonough

8—486

## NOTES.

Summer solstice 5:03 a.m.
Generally clear and continued intensely warm weather—Pale moonlight at night.
Heavy rain and hail are reported to have occured in northern part of County. The hail did some damage, but extent of damage could not be ascertained.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JUN 23 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 72 | 71 | 70 | 70 | 71 | 75 | 78 | 83 | 88 | 91 | 92 | 95 | 96 | 96 | 95 | 95 | 94 | 84 | 83 | 81 | 78 | 76 | 76 | 74 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← Clear → | | | | | | | | ← Clear – PtCldy → | | | | | | | Cloudy → | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.4 | 0 | 0 | 0 | | | | |
| Wind direction | E | E | E | E | E | E | E | E | E | SE | SE | E | NE | NE | N | NE | NE | SW | SW | SW | SW | SW | SW | SW |
| Wind movement | 3 | 3 | 3 | 3 | 1 | 2 | 1 | 2 | 2 | 4 | 2 | 4 | 4 | 6 | 4 | 6 | 4 | 8 | 6 | 4 | 6 | 9 | 8 | 7 |
| Maximum velocities (exceeding ___ miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4.02 Character, Clear
Moonrise: 1.51A Cloudy
0855 08
Sunset: Time, 8.12 Character, Cloudy
Moonset: 12.38a —

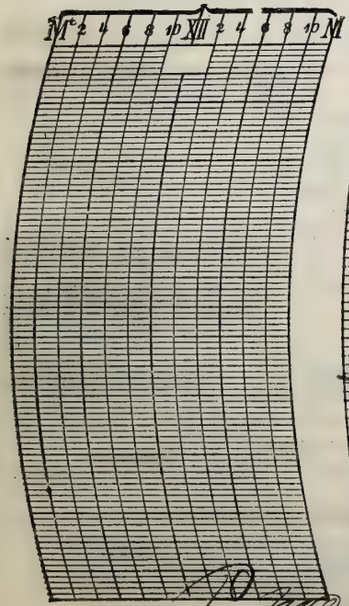
| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 97 | 70 | 84 | |

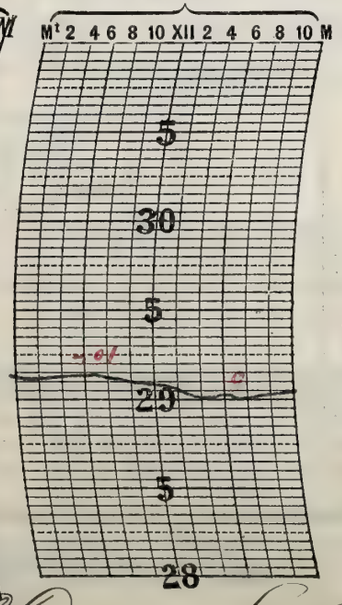
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0–10), 3
Actual sunshine, hours, 12.2 Possible sunshine, hours, 15
Per cent of possible sunshine, 81
Prevailing wind direction, E Total wind 101
Average hourly velocity, 4.2 Extreme velocity, 16
Maximum velocity, 14 Direction, SW
Time began, 5.27 P.m.
Reduced barometer, 30.03 a. m. 29.89 p. m.
River gage, 1.3 fut
Relative humidity, 75 a. m. 52 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 92.4 Wet temperature, 71.3
Dew-point, 61 R. humidity, 35 V. pressure, 536
Clouds: Amount, 3; Kind, Cu; Direction, NE
Velocity of clouds (miles per hour)

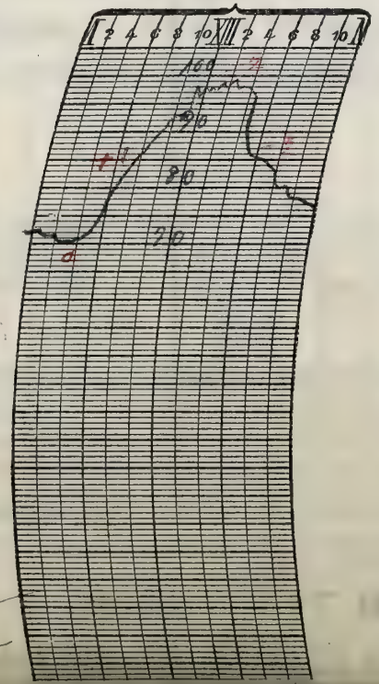
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by P. McDonough
Verified by P. McDonough

## NOTES.

Generally clear weather and intensely warm; maximum 97°. Pale moonlight at night.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) _____, (Date) JUN 24 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 73 | 72 | 72 | 72 | 72 | 74 | 76 | 80 | 85 | 87 | 90 | 92 | 94 | 96 | 93 | 91 | 90 | 87 | 84 | 78 | 77 | 75 | 73 | 72 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation Cloudiness and other conditions | | | | P.Cl. | Cloudy | | Cl. | | | Clear | | | Clear | | Cloudy | | | | Cloudy | | | T | | |
| Sunrise: Time, Character, Cloudy Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, Cloudy Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 02 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | W | NW | NW | NW | NW | NW | NW | SW | SW | SW | W | SW | SW |
| Wind movement | 8 | 7 | 7 | 7 | 8 | 7 | 7 | 7 | 8 | 8 | 8 | 7 | 11 | 11 | 12 | 8 | 6 | 6 | 8 | 12 | 8 | 7 | 8 | 7 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

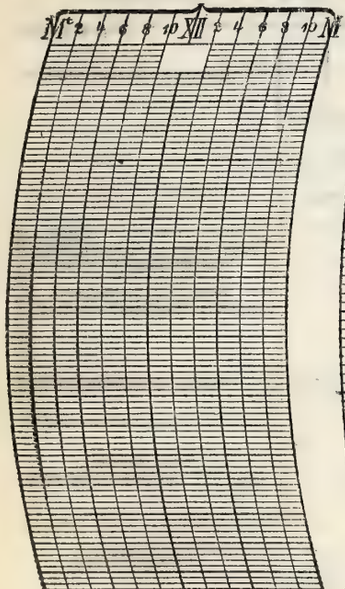
Excessive precipitation, accumulated amounts

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 96 | 72 | 84 | |

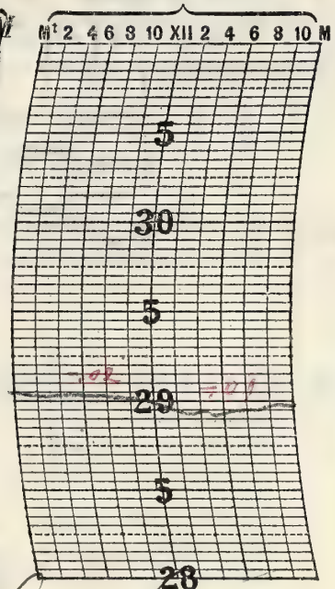
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt.Cloudy Moon phase, _____
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 8.2 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 54
Prevailing wind direction, SW Total wind 193
Average hourly velocity, 8.0 Extreme velocity, 16
Maximum velocity, 15 Direction, SW
Time began, 6:44 PM
Reduced barometer, 29.91 7 a. m. 29.82 2, p. m.
River gage, 1.3 feet
Relative humidity, 76 7 a. m. 56 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 90.0 Wet temperature, 75.0
Dew-point, 69 R. humidity, 50 V. pressure, 707
Clouds: Amount, 1; Kind, Cu.; Direction, W
Velocity of clouds (miles per hour)

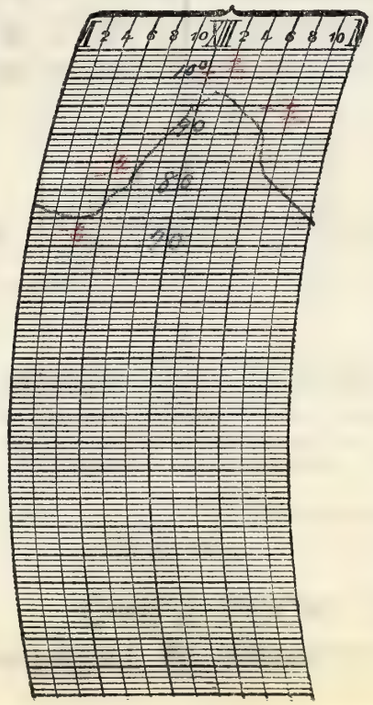
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by C. M. Depuy

Verified by C. M. Depuy

8-480

NOTES.

Warm, partly Cloudy day. Full moonlight at night.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Monday, (Date) JUN 25 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 70 | 70 | 69 | 69 | 69 | 71 | 72 | 78 | 82 | 85 | 88 | 89 | 91 | 92 | 91 | 91 | 90 | 87 | 86 | 82 | 81 | 80 | 79 | 78 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation Cloudiness and other conditions | | | | 2 — | | | Clear — | | | | | 2 | | | | | | | Clear — | | | 7. | | |
| Sunrise: Time, Character, | 4:10 Cloudy | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: | 4:40p Clear | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, | 7:17 Clear | | |
| | | | | | clouds near horizon | | | | | | | | | | | | | | | | Moonset: | 11:56a — | | |
| Sunshine (in tenths of hours) | | | | | 0 | 01 | 04 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.1 | 1.0 | 0.28 | | | | |
| | | | | | | | | | | | | | | | | | | 09 | 0 | 0 | | | | |
| Wind direction | SW | W | W | W | SW | W | W | W | W | W | W | W | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW |
| Wind movement | 10 | 6 | 4 | 5 | 5 | 6 | 8 | 8 | 8 | 10 | 10 | 11 | 10 | 13 | 14 | 13 | 15 | 14 | 14 | 12 | 11 | 12 | 11 | 10 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

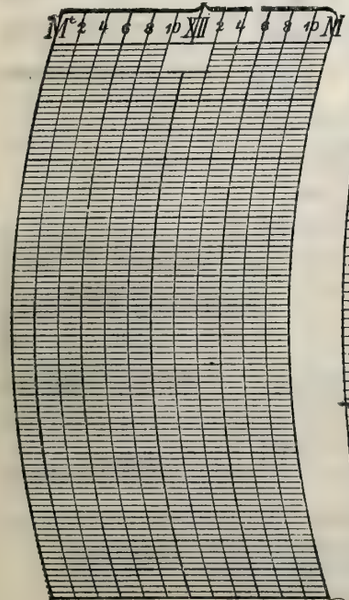
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 92 | 68 | 80 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0–10), 1
Actual sunshine, hours, 12.8 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 85
Prevailing wind direction, SW Total wind 240
Average hourly velocity, 10.0 Extreme velocity, 20
Maximum velocity, 18 Direction, SW
Time began, 4:50 PM
Reduced barometer, 29.86 7 a. m. 29.69 7 p. m.
River gage, 13 feet
Relative humidity, 73 7 a. m. 50 7 p. m.

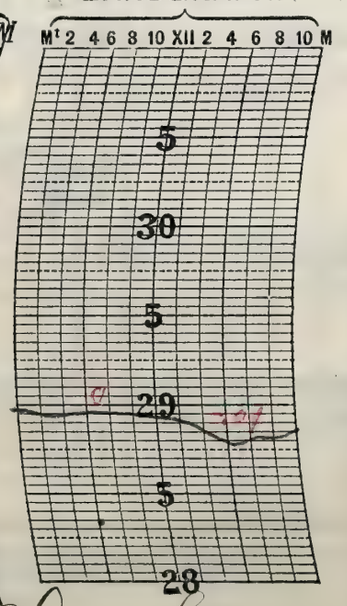
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 89.0 Wet temperature, 72.8
Dew-point, 66 R. humidity, 46 V. pressure, .638
Clouds: Amount, Few; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

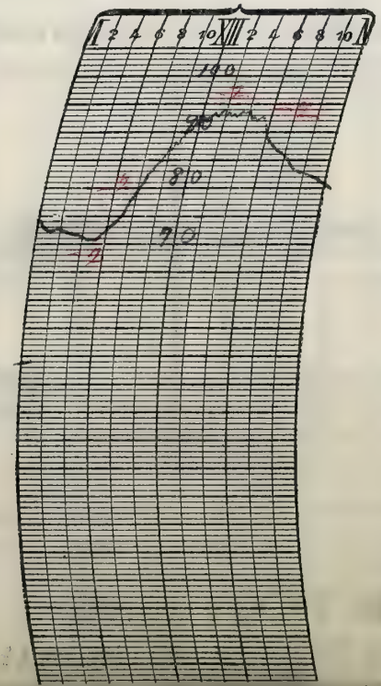
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by P. McDonough
Verified by P. McDonough

NOTES.

Generally clear and warm weather
Pale moonlight.

FORM NO. 1012—REVD.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Tuesday, (Date) JUN 26 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 71 | 68 | 68 | 69 | 70 | 71 | 74 | 75 | 76 | 77 | 78 | 79 | 81 | 81 | 80 | 78 | 77 | 76 | 75 | 71 | 69 | 66 | 65 | 63 |
| State of weather. Nature of precipitation and time of beginning and ending | | RA 1:00 | --- | RE RA | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | T | .01 | .01 | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | 1 - Pt. Cloudy | | | | | | | | — Pt. Cloudy | | | | | — Clear | | | | | | |
| Sunrise: Time, Character, | 4:.. Cloudy | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: | 5:18 Clear | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, Character, | | | | | | | | | | | | | | | | | | | | 7:.. Clear | | | | |
| Moonset: | | | | | | | | | | | | | | | | | | | | 2:41a | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0.9 | 0.8 | 0.8 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.4 | 0 | | | | |
| Wind direction | SW | N | NW | SW | SW | SW | SW | W | W | W | W | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW |
| Wind movement | 11 | 9 | 6 | 12 | 6 | 9 | 13 | 19 | 18 | 22 | 19 | 16 | 19 | 20 | 19 | 18 | 19 | 14 | 12 | 8 | 6 | 5 | 4 | 3 |
| Maximum velocities (exceeding 20 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

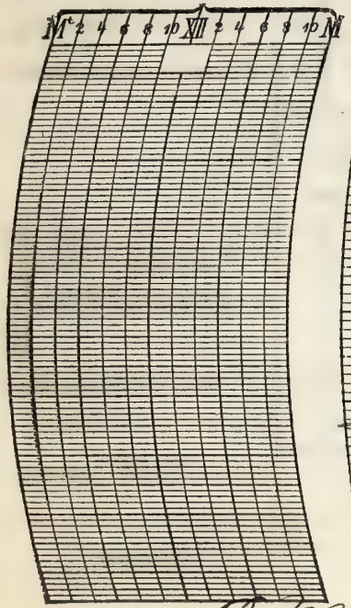
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 83 | 63 | 73 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .02 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .02 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 12.7 Possible sunshine, hours, 15
Per cent of possible sunshine, 84
Prevailing wind direction, NW Total wind 307
Average hourly velocity, 12.8 Extreme velocity, 26
Maximum velocity, 26 Direction, W
Time began, 9:17am
Reduced barometer, 29.63 7 a. m. 29.62 7, p. m.
River gage, 1.3 just
Relative humidity, 72 7 a. m. 48 7 p. m.

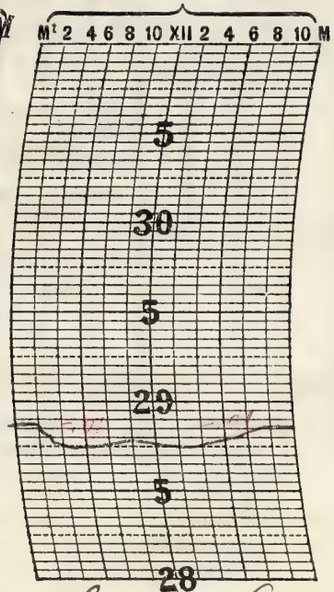
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 79.3 Wet temperature, 66.9
Dew-point, 60 R. humidity, 52 V. pressure, .517
Clouds: Amount, 7; Kind, CU; Direction, NW
Velocity of clouds (miles per hour)

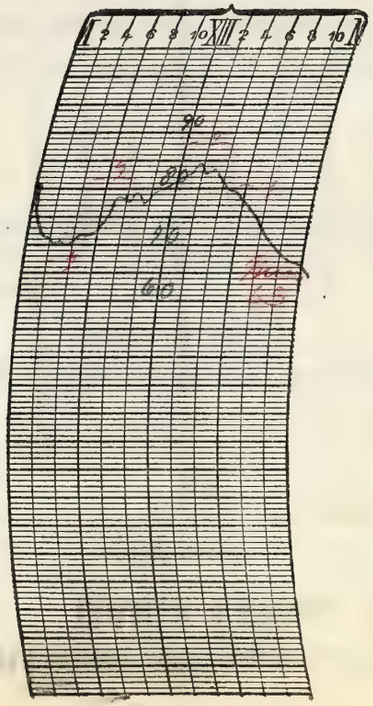
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by T. McDonough
Verified by T. McDonough

8—486

## NOTES.

Decreasing cloudiness during the day and clear at night with brilliant moonlight. Decreasing temperature and humidity affording much relief from the weather of the last few days.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JUN 27 1923, 192

Time (local standard). 90° mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 60 | 59 | 59 | 59 | 60 | 63 | 66 | 66 | 66 | 66 | 64 RB 10:35 | 64 | 63 | 64 RE 1:10 | 66 | 68 | 69 | 70 | 69 | 65 | 64 | 63 | 61 | 60 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | T | .01 | .01 | .01 | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← | | | Cloudy | | | | | Cloudy | | | | | | | Clear → | | | | |
| Sunrise: Time, Character, 4:11 Cloudy. Moonrise: 6:22P Clear | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 7:17 Clear. Moonset: 3:31a | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0.6 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.8 | 1.0 | 0.2 | 0 | | | | |
| Wind direction | W | SW | SW | W | W | W | SW | W | W | SW | SW | SW | W | SW | SW | S | S | S | S | SE | S | S | S | S |
| Wind movement | 5 | 6 | 5 | 3 | 2 | 4 | 3 | 2 | 6 | 6 | 11 | 6 | 4 | 7 | 6 | 8 | 13 | 5 | 4 | 3 | 5 | 6 | 5 | 2 |
| Maximum velocities (exceeding 2[illegible] miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

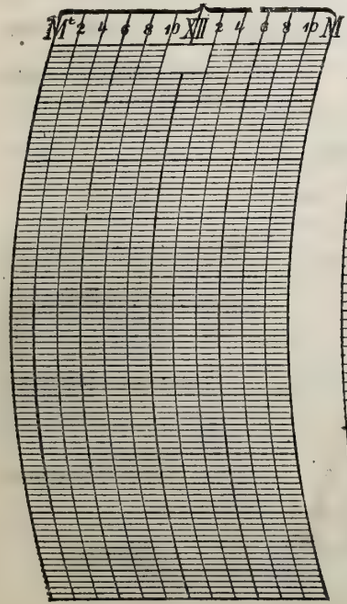
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 70 | 59 | 64 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .03 ins.
Total precipitation, midnight to midnight, .03 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 5.1 Possible sunshine, hours, 15
Per cent of possible sunshine, 34
Prevailing wind direction, S. & SW. Total wind 127
Average hourly velocity, 5.3 Extreme velocity, 18
Maximum velocity, 17 Direction, S
Time began, 4:27 p.m.
Reduced barometer, 29.25 7 a. m. 29.21 2 p. m.
River gage, 1.3 Feet
Relative humidity, 67 7 a. m. 55 2 p. m.

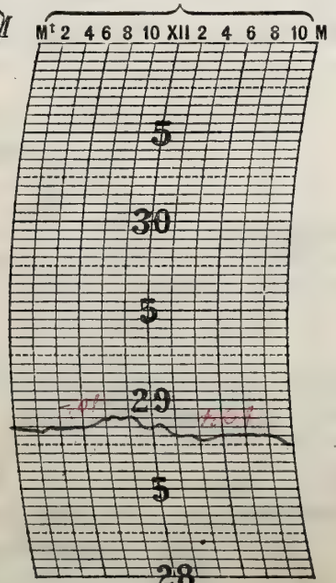
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 64.2 Wet temperature, 59.0
Dew-point, 56 R. humidity, 74 V. pressure, 448
Clouds: Amount, 10; Kind, Nb; Direction, SW
Velocity of clouds (miles per hour)

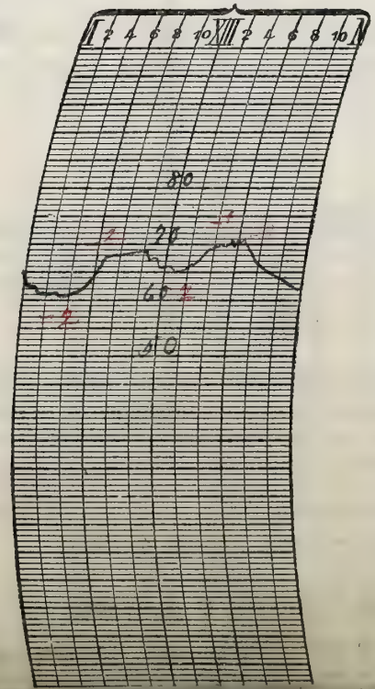
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by D. McDonald

Verified by

8—486

## NOTES.

A partly cloudy and cool day, the temperatures being very irregular. About the middle of the afternoon it cleared rapidly and the night was resplendent with bright moonlight from and increasing moon.

Form No. 1012—Rev. 1.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) [illegible], (Date) [illegible], 192

Time (local standard). 90 mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 58 | 60 | 58 | 58 | 57 | 58 | 58 | 56 | 56 | 56 | 57 | 58 | 58 | 57 | 58 | 60 | 60 | 59 | 59 | 57 | 55 | 55 | 54 | 52 |
| State of weather. Nature of precipitation and time of beginning and ending | | | RB 2:55 | | | | | | | | | IE 11:08 RB 11:35 | RB 12:01 | | RB 2:00 IE 2:45 | | | | | | | | | |
| Amounts of precipitation | | | T | .08 | .04 | .13 | .06 | .01 | T | .02 | .01 | T | T | | T | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← | | | Cloudy | | | | → | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0 | 0 | | | | |
| Wind direction | O | E | E | E | NE | NE | NE | NE | NE | NE | NE | NE | NE | N | N | N | N | N | N | N | N | N | N | N |
| Wind movement | 0 | 1 | 1 | 3 | 4 | 6 | 8 | 14 | 16 | 15 | 13 | 16 | 14 | 8 | 13 | 11 | 12 | 11 | 7 | 6 | 5 | 5 | 6 | 6 |
| Maximum velocities (exceeding 22 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:11 Character, Cloudy
Moonrise: 7:19p Clear
Sunset: Time, 7:17 Character, Cloudy
Moonset: 4:23a Cloudy

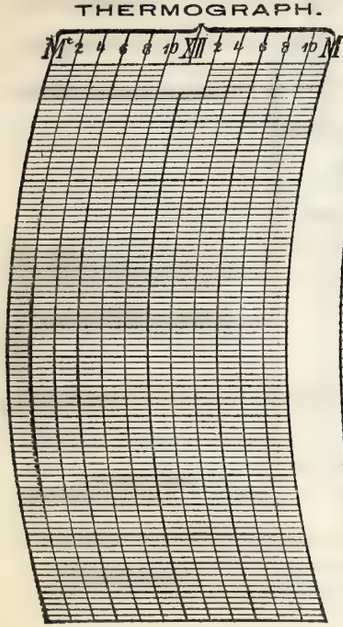
| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 61 | 52 | 56 | |

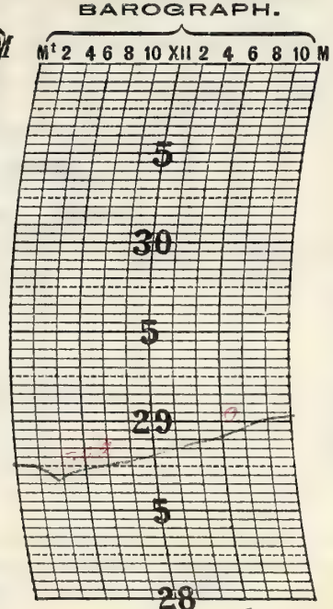
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .01 ins.; to 7 p. m., .04 ins.
Total precipitation, midnight to midnight, .05 inches.
Character of day, Cloudy Moon phase, Full 7:04 am
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0.3 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 2
Prevailing wind direction, N Total wind 201
Average hourly velocity, 8.4 Extreme velocity, 23
Maximum velocity, 21 Direction, NE
Time began, 7:52 a.m.,
Reduced barometer, 29.69 7 a. m. 29.87 7 p. m.
River gage, 1.4 Feet
Relative humidity, 94 7 a. m. 66 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 57.6 Wet temperature, 54.8
Dew-point, 53 R. humidity, 84 V. pressure, 402
Clouds: Amount, 10; Kind, Ns; Direction, NE
Velocity of clouds (miles per hour)

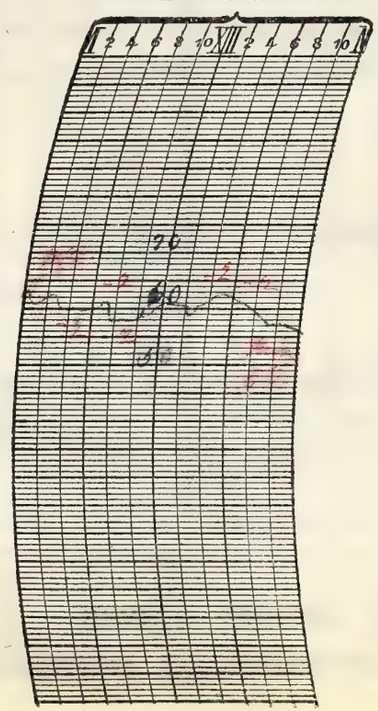
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by [signature]
Verified by [signature]

8—486

## NOTES.

The weather today was cloudy and cool with light rain during the morning hours which benefited crops very much. Late in the afternoon the clouds broke and the weather was partly cloudy until late at night when it became clear. The night was brightly illuminated by a shimmering moon.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JUN 29 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 50 | 49 | 48 | 47 | 46 | 48 | 51 | 54 | 56 | 57 | 59 | 61 | 62 | 65 | 63 | 64 | 63 | 63 | 63 | 58 | 56 | 55 | 54 | 52 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← | | Clear | | | Pt. Cloudy | | | | Pt. Cloudy | | | | | Clear | | | | | → |
| Sunrise: Time, 4:11 Character, Clear | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 8:17 Character, Clear | | | |
| Moonrise: 8:10 p. Clear | | | | | | | | | | | | | | | | | | | | | Moonset: 5:58 a Clear | | | |
| Sunshine (in tenths of hours) | | | | | .82 0 | 0.5 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0.3 | 0.1 | 0.2 | 1.0 0 | .28 0 | | | | |
| Wind direction | N | N | N | NW | NW | NW | N | N | N | N | NW | N | N | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW |
| Wind movement | 6 | 7 | 6 | 7 | 6 | 7 | 8 | 10 | 11 | 12 | 12 | 12 | 11 | 10 | 10 | 9 | 8 | 9 | 7 | 4 | 4 | 3 | 3 | 2 |
| Maximum velocities (exceeding 1 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

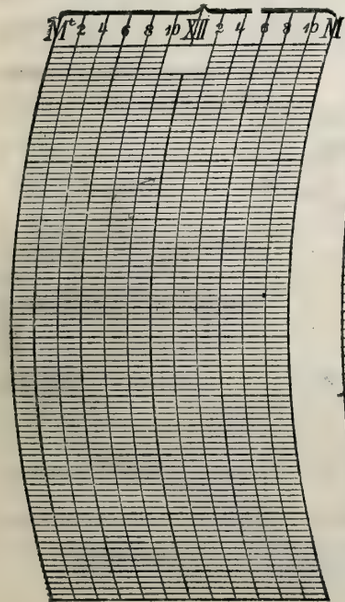
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 65 | 46 | 56 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 3 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 12.5 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 83
Prevailing wind direction, NW Total wind 182
Average hourly velocity, 2.6 Extreme velocity, 15
Maximum velocity, 14 Direction, N
Time began, 2:02 p.m.
Reduced barometer, 30.05 7 a. m. 30.10 7 p. m.
River gage, 1.4 Feet
Relative humidity, 76 7 a. m. 42 7 p. m.

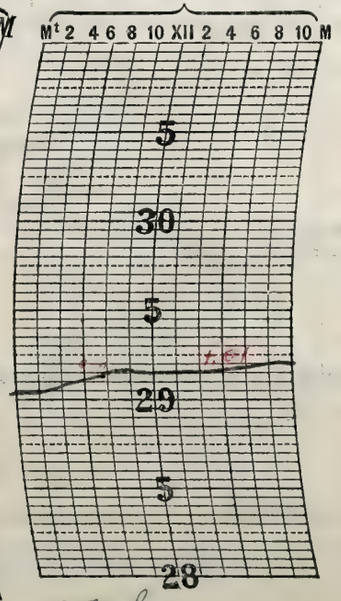
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 61.0 Wet temperature, 50.0
Dew-point, 39 R. humidity, 45 V. pressure, 237
Clouds: Amount, 7; Kind, Cu.; Direction, N
Velocity of clouds (miles per hour)

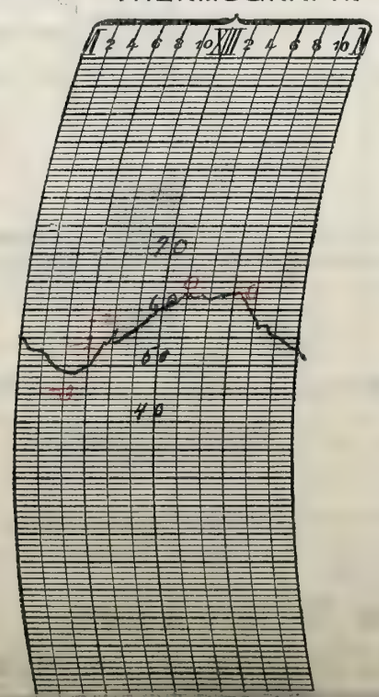
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by E. A. C.
Verified by P. McDonough

NOTES.

Slight frost occurred this morning.
The day as a whole was partly cloudy and cool though clearing set in during the late afternoon and the night was clear and illuminated with bright moonlight.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JUN 30 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 51 | 50 | 49 | 48 | 49 | 53 | 56 | 62 | 65 | 67 | 70 | 72 | 71 | 74 | 72 | 72 | 71 | 71 | 70 | 67 | 65 | 64 | 62 | 61 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← | | | | Clear | | | | | | | Clear | | | | | | | | → |
| Sunshine (in tenths of hours) | | | | | .80 0 | .5 0.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 0.9 | 0.3 0.7 | 1.0 0 | .28 0 | | | | |
| Wind direction | NW | NW | 0 | NW | W | W | SW | SW | SW | SW | S | S | SE | SE | S | S | SE | SE | SE | S | S | 0 | S | S |
| Wind movement | 1 | 1 | 0 | 1 | 3 | 3 | 4 | 6 | 7 | 7 | 6 | 6 | 6 | 5 | 4 | 4 | 4 | 4 | 6 | 4 | 2 | 0 | 1 | 1 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:13 Character, Clear. Moonrise: 8:55 Clear.

Sunset: Time, 7:37 Character, Clear. Moonset: 6:20 Clear.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

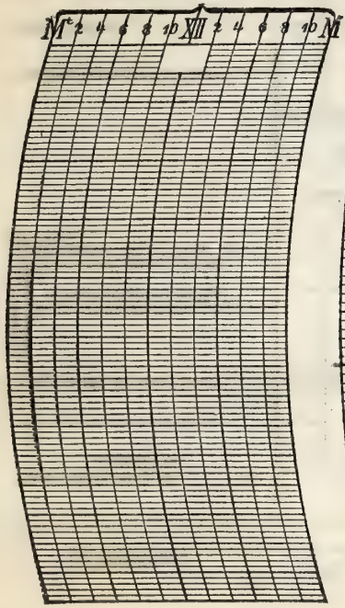
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 74 | 47 | 60 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear. Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 14.9 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 99
Prevailing wind direction, S Total wind 86
Average hourly velocity, 3.6 Extreme velocity, 10
Maximum velocity, 10 Direction, S
Time began, 11:02 a.m.
Reduced barometer, 30.19 a. m. 30.16 p. m.
River gage, 1.3 Feet.
Relative humidity, 62 a. m. 40 p. m.

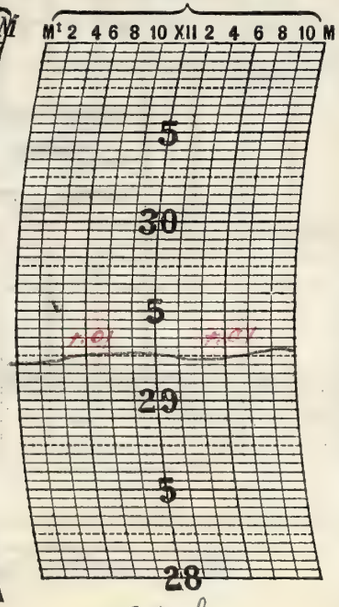
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 69.2 Wet temperature, 55.2
Dew-point, 43 R. humidity, 40 V. pressure, 12.77
Clouds: Amount, 1; Kind, Cu; Direction, NE
Velocity of clouds (miles per hour)

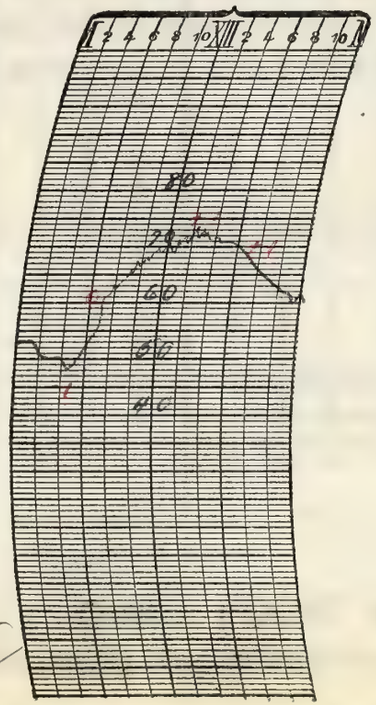
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



NOTES.

Heavy deposit of dew on ground this morning at the 7 a.m. observation.

A clear, cool, and very pleasant and invigorating day. The night was clear and resplendent with bright from a bright decreasing moon.

Prepared by L.D.S.

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(*Station*) Fort Wayne, Ind., (*Day of week*) ....., (*Date*) FEB -1 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 59 | 56 | 54 | 53 | 55 | 58 | 60 | 68 | 71 | 73 | 73 | 74 | 75 | 75 | 76 | 76 | 75 | 75 | 74 | 70 | 68 | 67 | 65 | 62 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← | | Clear | | | | | → | Pt. Cloudy | | | | ← | | Clear | | | | | → |
| Sunshine (in tenths of hours) | | | | | 0 | 0.1 | 0.8 | 1.0 | 1.0 | 1.0 | 0.9 | 0.8 | 1.0 | 1.0 | 1.0 | 0.8 | 1.0 | 0.8 | 0 | 0 | | | | |
| Wind direction | S | 0 | S | E | E | E | E | E | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | 0 | E | SE | SE |
| Wind movement | 1 | 0 | 2 | 2 | 2 | 3 | 2 | 1 | 2 | 5 | 5 | 5 | 0 | 6 | 5 | 7 | 6 | 5 | 2 | 2 | 0 | 5 | 3 | 1 |

Sunrise: Time, 4:12 Character, Clear
Moonrise: 9:32p Clear
Sunset: Time, 7:17 Character, Clear
Moonset: 7:33a Clear

Maximum velocities (exceeding 29 miles) direction and time.....

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

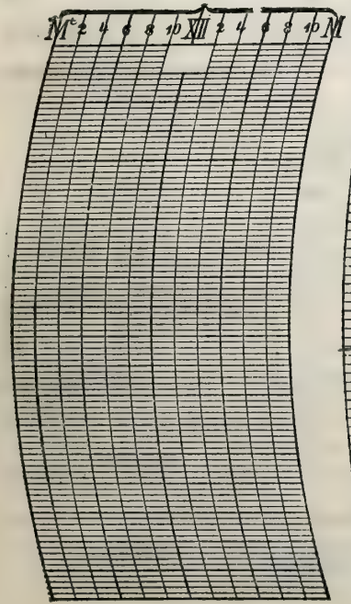
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 77 | 53 | 65 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0–10), 3
Actual sunshine, hours, 14.2 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 94
Prevailing wind direction, SE Total wind 22
Average hourly velocity, 3.2 Extreme velocity, 10
Maximum velocity, 10 Direction, SE
Time began, 3:48 p.m.
Reduced barometer, 30.27 7 a. m. 30.21 7, p. m.
River gage, 1.3 Feet
Relative humidity, 69 7 a. m. 85 7 p. m.

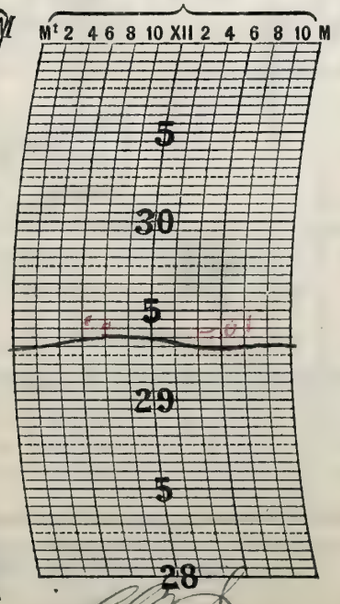
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 72.8 Wet temperature, 57.1
Dew-point, 45 R. humidity, 32 V. pressure, 29.8
Clouds: Amount, 7; Kind, Cu; Direction, SE
Velocity of clouds (miles per hour)

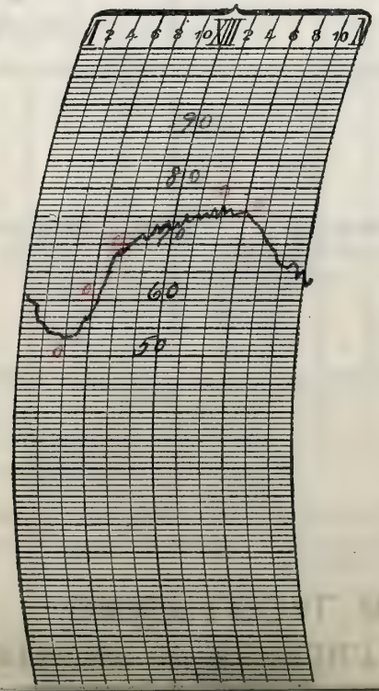
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




NOTES.

Generally clear, pleasant and invigorating weather prevailed today with bright moonlight at night.

*Prepared by* .....
*Verified by* P. McDonough

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JUL -2 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 60 | 59 | 58 | 57 | 57 | 59 | 62 | 68 | 73 | 75 | 77 | 79 | 79 | 80 | 81 | 80 | 79 | 78 | 77 | 75 | 72 | 70 | 68 | 65 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← Pt. Cloudy → | | | | | Clear → | | | ← Pt. Cloudy | | | | | | | | | | | |
| Sunrise: Time, Character, 4:13 Cloudy. Moonrise: 10:07p Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 7:17 Cloudy. Moonset: 2:34a Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 1.0 | 0.9 | 0.1 | 0 | 0 | | | | |
| Wind direction | E | E | E | E | E | E | E | S | S | S | S | SW | SW | SW | SW | W | W | W | W | W | W | W | W | W |
| Wind movement | 2 | 4 | 4 | 4 | 3 | 4 | 2 | 4 | 4 | 3 | 4 | 5 | 9 | 8 | 7 | 6 | 6 | 5 | 5 | 3 | 3 | 4 | 1 | |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 82 | 57 | 70 | |

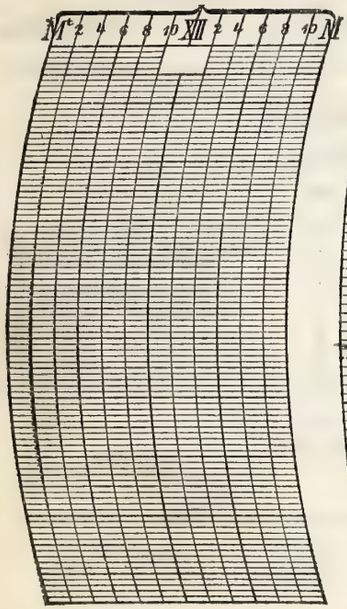
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0–10), 5
Actual sunshine, hours, 9.9 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 66
Prevailing wind direction, NW Total wind 101
Average hourly velocity, 4.2 Extreme velocity, 12
Maximum velocity, 12 Direction, S
Time began, 12:02 p.m.
Reduced barometer, 30.25 7 a. m. 30.16 7, p. m.
River gage, 1.3 feet
Relative humidity, 74 7 a. m. 39 7 p. m.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | |

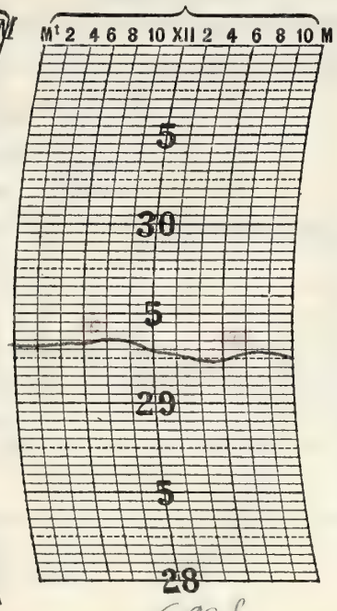
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 78.1 Wet temperature, 64.0
Dew-point, 56 R. humidity, 46 V. pressure, 44.8
Clouds: Amount, 6; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

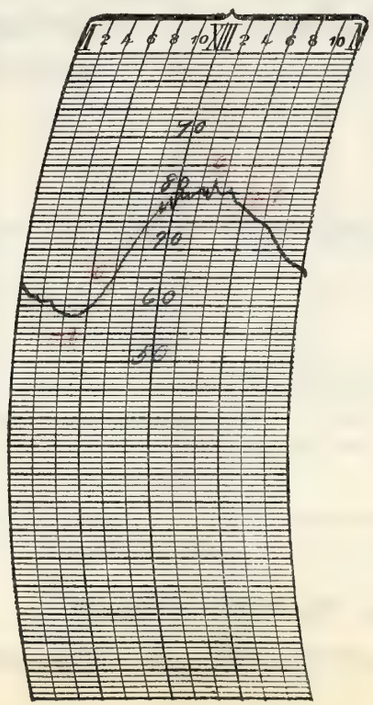
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by E. D. S.
Verified by P. McDonough

8—486

## NOTES.

A partly cloudy day with slowly rising temperature and altogether very pleasant.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JUL -3 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 65 | 63 | 62 | 62 | 61 | 61 | 62 | 68 | 72 | 71 | 69 | 66 | 74 | 78 | 80 | 81 | 80 | 78 | 76 | 73 | 71 | 69 | 68 | 66 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | RB 1107 RPE 1108 | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | T | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← Pt. Cloudy | | | | | × Cloudy | | | | | × Pt. Cloudy | | | | | | | | | → |

Sunrise: Time, 4:13 Character, Cloudy
Moonrise: 10:38p

Sunset: Time, 7:17 Character, Cloudy
Moonset: 9:35a Cloudy

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0.4 | 0.9 | 0.6 | 0.8 | 0 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 0.3 | 0 | 0 | | | | |
| Wind direction | 0 | 0 | W | S | S | SW | SW | SW | SW | NW | NW | N | N | S | SW | SW | SW | W | SW | SW | SW | SW | SW | SW |
| Wind movement | 0 | 0 | 1 | 2 | 4 | 5 | 6 | 5 | 6 | 11 | 14 | 7 | 1 | 5 | 9 | 12 | 10 | 7 | 9 | 8 | 5 | 6 | 5 | 4 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

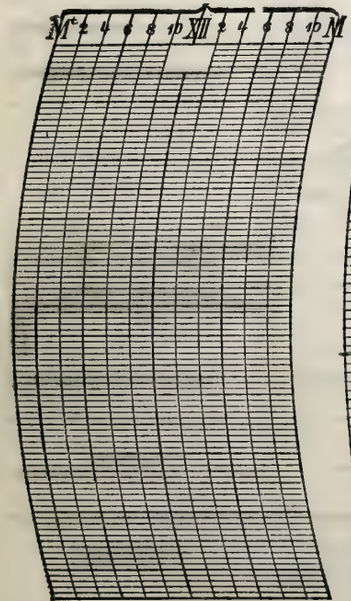
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 81 | 61 | 71 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 7.9 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 52
Prevailing wind direction, S.W. Total wind 142
Average hourly velocity, 5.9 Extreme velocity, 21
Maximum velocity, 19 Direction, N.W.
Time began, 10:34 a.m.
Reduced barometer, 30.19 7 a. m. 30.10 3 p. m.
River gage, 1.3 Feet.
Relative humidity, 74 7 a. m. 57 3 p. m.

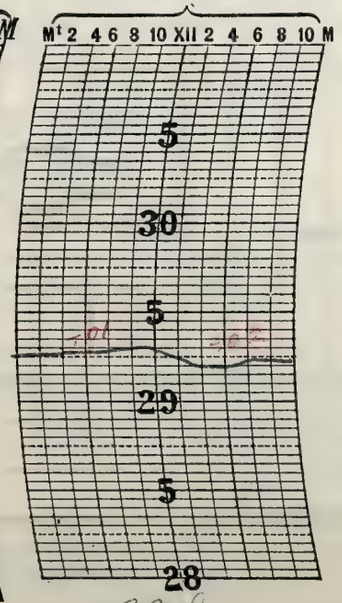
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 66.0 Wet temperature, 60.0
Dew-point, 56 R. humidity, 71 V. pressure, 448
Clouds: Amount, 10; Kind, St-Cu; Direction, N.W.
Velocity of clouds (miles per hour)

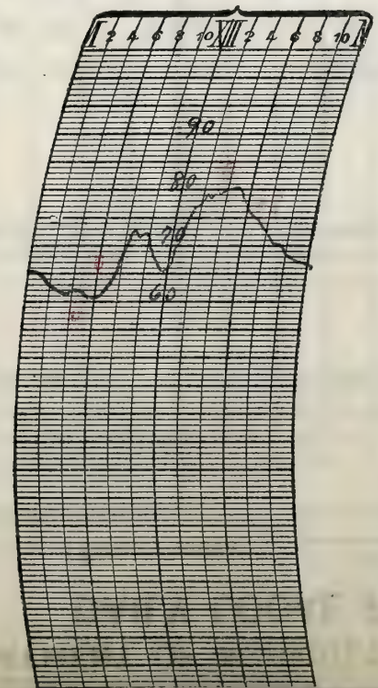
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by
Verified by F. M. Donough

NOTES.

A fairly sunny day with moderate temperatures

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JUL - 4 1923, 192

Time (local standard): 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 64 | 63 | 62 | 61 | 61 | 64 | 68 | 74 | 77 | 79 | 82 | 83 | 86 | 85 | 83 | 81 | 78 RB 4:44 | 76 HE 5:55 | 77 | 76 | 73 | 72 | 71 | 70 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | .07 | .01 | | | | | | |
| Cloudiness and other conditions | | | | | ← | | Clear | | | | | → | | | Pt. Cloudy | | → | | Cloudy | | | Clear | | → |
| Sunrise: Time, Character, 4:14 Clear. Moonrise: 11:02p | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 7:16 Cloudy. Moonset: 10:34a Clear. | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 0.7 | 0 | 0 | 0 | 0 | | | | |
| Wind direction | SW | SW | SW | SW | SW | 0 | SW | SW | SW | S | SW | SW | S | SW | SW | SW | SW | N | N | SW | SW | SW | SW | SW |
| Wind movement | 2 | 3 | 5 | 1 | 2 | 0 | 2 | 1 | 4 | 4 | 6 | 7 | 6 | 6 | 7 | 10 | 3 | 4 | 2 | 3 | 7 | 5 | 6 | 6 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

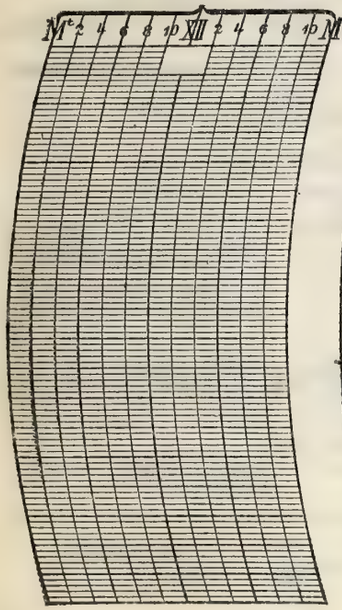
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 86 | 61 | 74 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .08 ins.
Total precipitation, midnight to midnight, .08 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 11.4 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 76
Prevailing wind direction, SW Total wind 10 2
Average hourly velocity, 4.2 Extreme velocity, 17
Maximum velocity, 16 Direction, SW
Time began, 3:15 PM
Reduced barometer, 30.18 7 a. m. 30.11 7 p. m.
River gage, 1.3 Fall
Relative humidity, 81 7 a. m. 75 7 p. m.

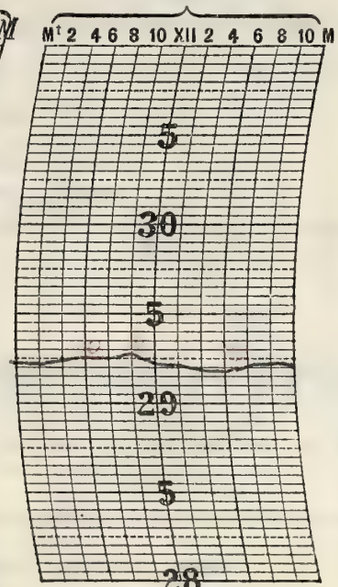
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 81.0 Wet temperature, 69.0
Dew-point, 63 R. humidity, 64 V. pressure, 27.5
Clouds: Amount, 3; Kind, Cu.; Direction, S.W.
Velocity of clouds (miles per hour)

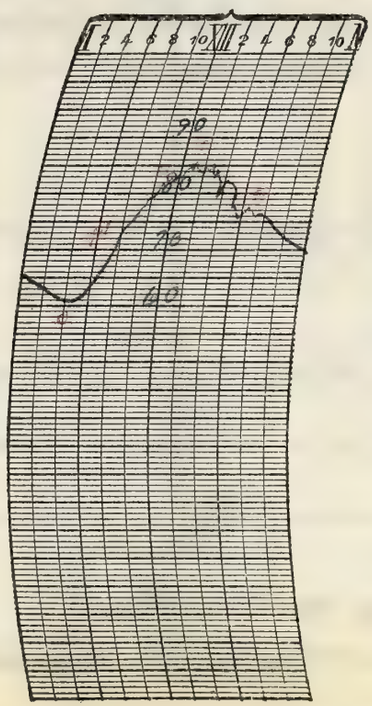
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by Ellis

Verified by T. McDonough

8—486

## NOTES.

Special, 12:00 Noon (75th Meridian Time) observation called for by Chicago Office. A thunderstorm of light intensity and accompanied by intermittent showers, moving from the northwest began at 5:20 p.m. and ended at 6:30 p.m.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) [illegible], (Date) JUL -5 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 70 | 70 | 70 | 70 | 68 | 69 | 70 | 71 | 73 | 72 | 75 | 79 | 83 | 81 | 81 | 75 | 81 | 80 | 80 | 75 | 73 | 72 | 71 | 71 |
| State of weather. Nature of precipitation and time of beginning and ending | | | 1 | | RD ONA | | RB 6:39 RE ONA | RE 7:05 | | RB 9:53 | RE 10:20 | | | | | RB 3:42 | RE 4:10 | | | | | | | |
| Amounts of precipitation | | | | | .04 | .09 | .01 | T | | T | T | | | | | T | T | | | | | | | |
| Cloudiness and other conditions | | | | | ← Cloudy | | | | | | | | ← Cloudy | | | ← Pt. Cloudy → | | | | | | | | |
| Sunrise: Time, Character, Moonrise: | 4:15 Cloudy 11:36p | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, Moonset: | 7:16 Cloudy 11:31a Cloudy | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0.6 | 1.0 | 1.0 | 0.9 | 0.8 | 0.1 | 0.8 | 0.8 | 0 | 0 | | | | |
| Wind direction | SW | SW | SW | SW | SW | S | S | SW | SW | SW | S | S | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW |
| Wind movement | 2 | 2 | 2 | 4 | 9 | 6 | 3 | 7 | 11 | 9 | 6 | 8 | 12 | 12 | 13 | 9 | 6 | 9 | 6 | 9 | 7 | 7 | 7 | 6 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

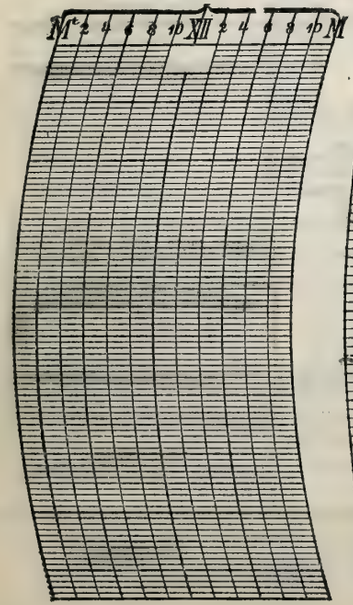
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 83 | 68 | 76 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .14 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .14 inches.
Character of day, Cloudy Moon phase, 19-7256p
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 6.0 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 40
Prevailing wind direction, SW. Total wind, 172
Average hourly velocity, 2.2 Extreme velocity, 18
Maximum velocity, 17 Direction, SW
Time began, 2:15 p.m.
Reduced barometer, 30.13 7a. m. 30.04 7p. m.
River gage, 1.6 Feet
Relative humidity, 90 7a. m. 68 7p. m.

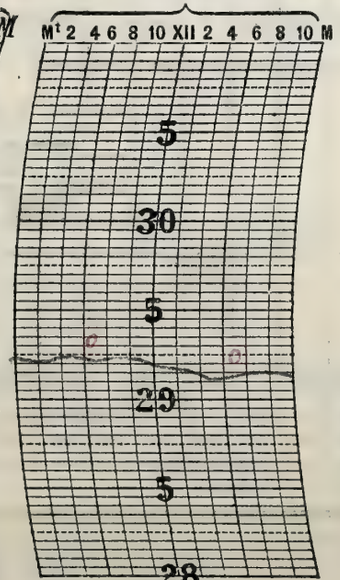
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 78.0 Wet temperature, 69.0
Dew-point, 65 R. humidity, 64 V. pressure, .616
Clouds: Amount, 8; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

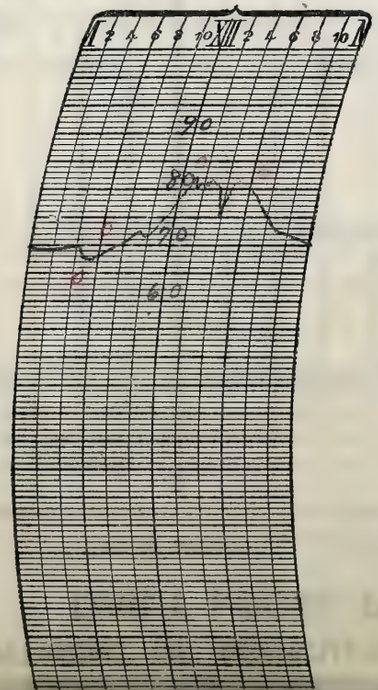
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by [signature]

Verified by F. McDonough

NOTES.

Thunderstorm of slight intensity began at 4:20 a.m., and ended at 4:40 a.m. Direction unknown.

A slight thunderstorm accompanied by a trace of precipitation came from the Northwest, beginning at 3:40 p.m., and ending at 4:10 p.m.

A hazy day, moderately warm and somewhat unsettled.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JUL 3 1925, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 70 | 69 | 69 | 68 | 69 | 72 | 74 | 78 | 81 | 76 | 76 | 82 | 85 | 74 | 75 | 77 | 77 | 74 | 74 | 71 | 70 | 69 | 69 | 68 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | RB 10:12 RE 10:20 | | | RB 1:53 | RE 2:33 | RB 3:42 RE 3:50 | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | T | | | .01 | .01 | T | | | | | | | | |
| Cloudiness and other conditions | | | | | ← Clear | | × | Pt Cldy | × | Cloudy | | | | | | | | × | | Pt Cloudy → | | | | |

Sunrise: Time, 4:15 Character, Clear
Moonrise:
Sunset: Time, 7:16 Character, Cloudy
Moonset: 12:27 a Cloudy

| | | | | | .75 0.9 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sunshine (in tenths of hours) | | | | | 0 | 0.1 | 1.0 | 1.0 | 1.0 | 0.4 | 0.3 | 0.6 | 1.0 | 0.4 | 0 | 0.1 | 0.4 | 0 | 0 | 0 | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | W | NW | SW | SW | SW | SW | NW | E | SE | S | SW | S | S | SW | SW | W | W |
| Wind movement | 8 | 8 | 6 | 7 | 6 | 8 | 7 | 7 | 6 | 10 | 8 | 7 | 7 | 9 | 6 | 4 | 5 | 10 | 6 | 5 | 7 | 5 | 3 | 3 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| | Total duration. | | Total amount of precipitation. | Excessive rate. | | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | From— | To— | | Began— | Ended— | | 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

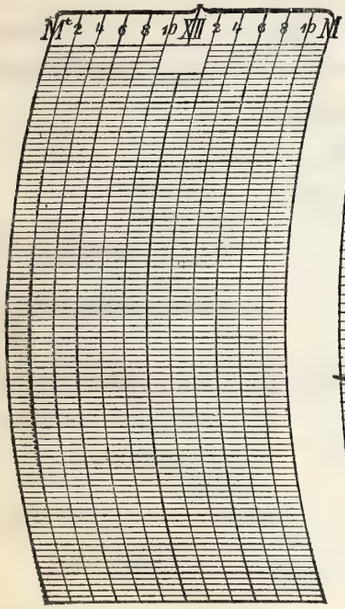
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 85 | 68 | 76 | ✓ |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .02 ins.
Total precipitation, midnight to midnight, .02 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 8.0 Possible sunshine, hours, 14.0
Per cent of possible sunshine, 57
Prevailing wind direction, SW Total wind 155
Average hourly velocity, 6.5 Extreme velocity, 25
Maximum velocity, 24 Direction, W
Time began, 9:22 a.m.
Reduced barometer, 30.07 7 a. m. 29.98 7 p. m.
River gage, 1.5 feet
Relative humidity, 80 7 a. m. 84 7 p. m.

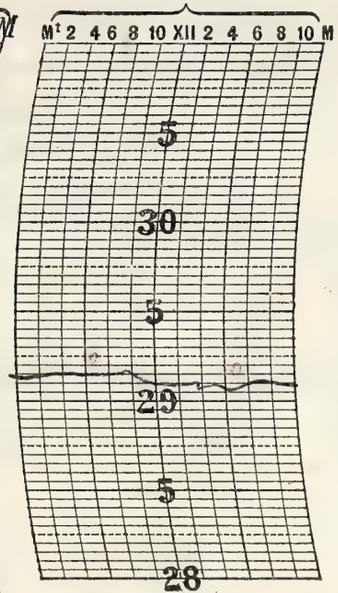
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 29.6 Wet temperature, 22.6
Dew-point, 20 R. humidity, 22 V. pressure, 232
Clouds: Amount, 5; Kind, ASt; Direction, NW.
Velocity of clouds (miles per hour)

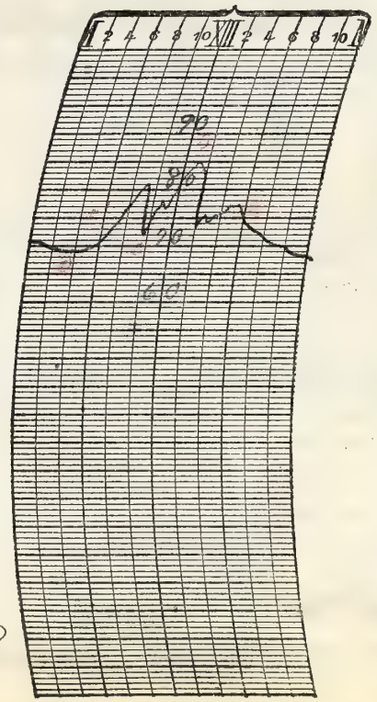
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by
Verified by P. M. Denny

8—486

## NOTES.

A thunderstorm which appeared in the northwest moved around the station to the west and south. The first thunder was heard at 9:30 a.m. and continued at intervals until 10:30 a.m. As far as could be learned no precipitation occurred within the city limits.

A thunderstorm beginning at 3:42 p.m. and ending at 3:50 p.m. accompanied by light rain moved from the northwest.

A partly cloudy and warm, sultry and unsettled day.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Port Huron, Mich., (Day of week) Saturday, (Date) JUL -7 1923, 192

Time (local standard). 90th mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 66 | 67 | 67 | 67 | 67 | 68 | 68 | 71 | 76 | 80 | 82 | 84 | 82 | 86 | 67 | 67 | 70 | 69 | 71 | 71 | 70 | 69 | 67 | 67 |
| | | | | | | NB 6:50 | | RE 0.20 | | | | | | | RB 2:12 | RE 4:50 | | | | | | | | |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | T | .07 | .01 | | | | | | | .04 | 1.03 | | | | | | | | |
| Cloudiness and other conditions | | | | | ← | Cloudy | | × | Pt. Cloudy | | | | | × | | Cloudy | | | | → | | | | |
| | Sunrise: Time, 4:11 a. Character, Cloudy. Moonrise: 12:05 a | | | | | | | | | | | | | | | | | | | | Sunset: Time, 7:16 p. Character, Cloudy. Moonset: 1:24 p. Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 0.2 | 0 | 0 | 0.1 | 0.1 | 0 | 0 | | | | |
| Wind direction | W | SW | SW | SW | SW | NW | SW | N | SW | SW | SW | SW | SW | SW | SW | E | E | E | E | E | E | E | E | E |
| Wind movement | 3 | 5 | 5 | 4 | 2 | 2 | 6 | 2 | 6 | 6 | 9 | 7 | 8 | 9 | 5 | 16 | 6 | 5 | 9 | 10 | 10 | 8 | 7 | 7 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | SW NE 3:40 p | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts 2:12 p | 4:00 p | 1.07 | ~~3:00 p~~ 3:15 p | 3:26 p | .05 | ~~.10~~ .02 | ~~.25~~ .08 | ~~.60~~ .24 | ~~.83~~ .66 | ~~.99~~ .82 | ~~1.02~~ .99 | ~~1.04~~ | | | | | | | |

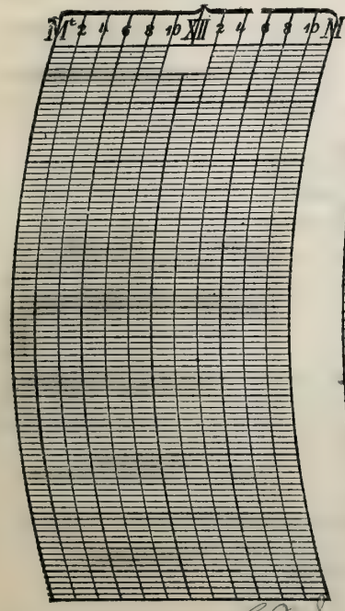
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 85 | 66 | 76 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .02 ins.; to 7 p. m., 1.09 ins.
Total precipitation, midnight to midnight, 1.11 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 5.3 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 35
Prevailing wind direction, SW. Total wind 16.2
Average hourly velocity, 6.8 Extreme velocity, 13.5
Maximum velocity, 31 Direction, NE
Time began, 3:67 p. m.
Reduced barometer, 29.04 7 a. m. 29.92 7 p. m.
River gage, 2.1 Feet.
Relative humidity, 95 7 a. m. 90 7 p. m.

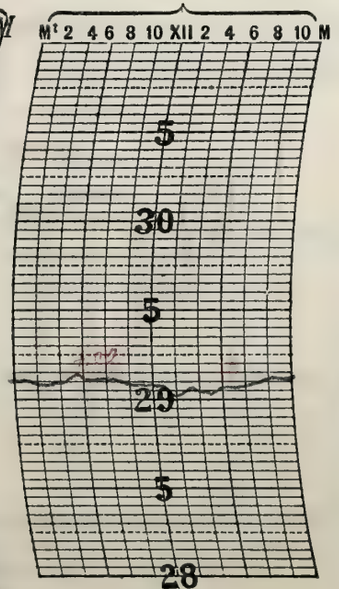
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 81.9 Wet temperature, 71.6
Dew-point, 67 R. humidity, 61 V. pressure, .661
Clouds: Amount, 6; Kind, Cu; Direction, FGW NW
Velocity of clouds (miles per hour)

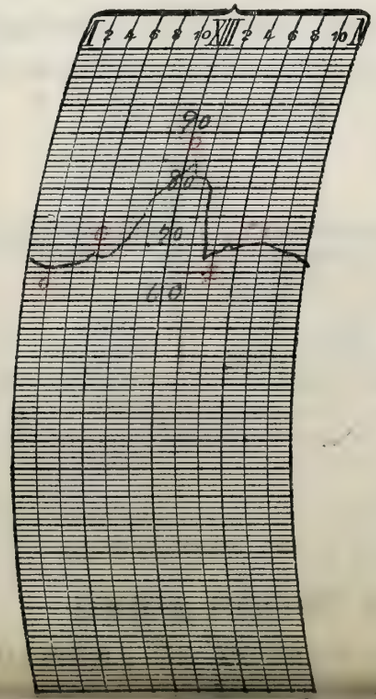
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by C.A.S.
Verified by P. McDonough

8—496

## NOTES.

A thunderstorm of moderate intensity and accompanied by light precipitation began at 1:45 a.m. and ended at 6:50 a.m.

A thunderstorm of moderate intensity moving from the northwest began at 1:37 p.m. and ended at 3:45 p.m. It was accompanied by a heavy fall of rain which almost flooded the downtown streets from curb to curb and the water backed up and ran into many cellars in with the business and residence districts doing slight damage in some instances.

A cloudy day with moderately high temperatures.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JUL -8 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 66 | 65 | 64 | 63 | 63 | 65 | 66 | 69 | 72 | 76 | 79 | 80 | 82 | 83 | 83 | 82 | 81 | 78 | 76 | 71 | 68 | 66 | 65 | 64 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | Cloudy | | Pt. Cldy | | Clear | | | Pt. Cloudy | | | Clear | | | Pt. Cloudy | | Clear | | | |
| Sunrise: Time, Character, Moonrise: | 4:16 Cloudy 12:36a | | | | | | | | | | | | | | | | | | | | Sunset: 7:15 Cloudy Moonset: 2:20p Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.4 | 0 | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | E | E | E | E | E | NE | E | E | E | E | E | E | E | E | NE | E | E |
| Wind movement | 9 | 10 | 9 | 9 | 10 | 10 | 11 | 10 | 11 | 11 | 10 | 8 | 7 | 7 | 8 | 7 | 9 | 10 | 8 | 7 | 8 | 6 | 4 | 2 |
| Maximum velocities (exceeding 27 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | |

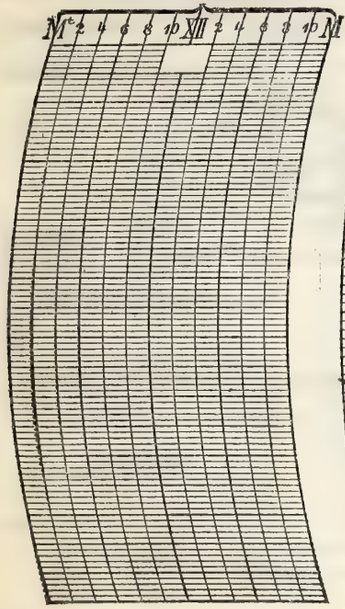
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 84 | 63 | 74 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, M. Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 12.8 Possible sunshine, hours, 13.0
Per cent of possible sunshine, 85
Prevailing wind direction, E Total wind 201
Average hourly velocity, 8.4 Extreme velocity, 12
Maximum velocity, 12 Direction, NE
Time began, 8:39 a.m.
Reduced barometer, 30.12 7 a. m. 30.05 7 p. m.
River gage, 2.6 Feet.
Relative humidity, 78 7 a. m. 55 7 p. m.

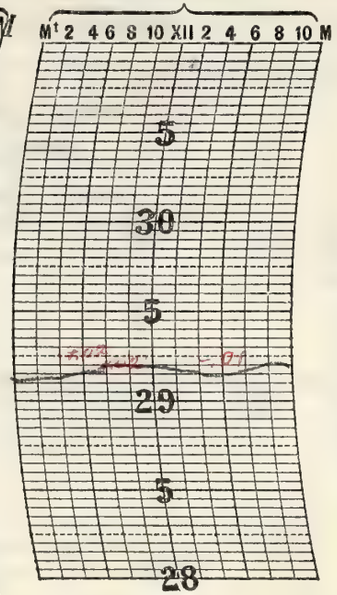
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 79.6 Wet temperature, 70.0
Dew-point, 65 R. humidity 62 V. pressure, 61.6
Clouds: Amount, 3; Kind Cirst; Direction, NE
Velocity of clouds (miles per hour)

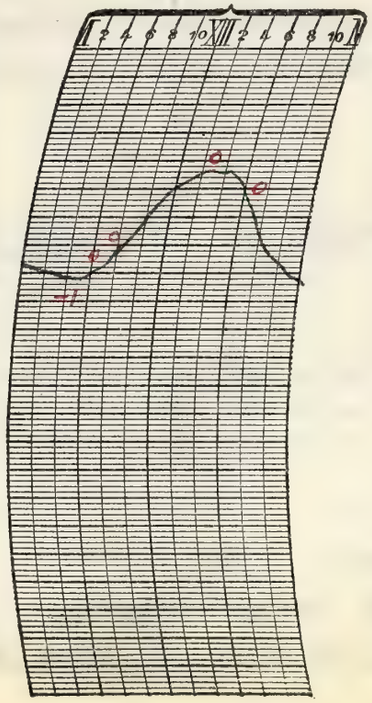
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by

Verified by C. McDonough

8—486

## NOTES.

A partly cloudy day with moderately high temperatures and a pleasant westerly breeze making an ideal day.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JUL 9 1923, 192

Time (local standard) 90° mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 62 | 60 | 59 | 58 | 58 | 61 | 67 | 72 | 78 | 81 | 83 | 85 | 87 | 82 | 88 | 88 | 86 | 86 | 84 | 81 | 78 | 76 | 75 | 74 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← Clear | | × Pt Cloudy | | | | | | | | Pt. Cloudy | | | | | | | | | → |
| Sunrise: Time, Character, 4:17 Clear. Moonrise: 1:09a | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 7:15 Clear. Moonset: 3:16p Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.4 | 0.4 | 0 | | | | |
| Wind direction | E | O | E | NE | NE | O | E | O | SW | W | NW | NW | NW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW |
| Wind movement | 2 | 0 | 2 | 4 | 1 | 0 | 1 | 0 | 2 | 3 | 4 | 4 | 5 | 8 | 8 | 9 | 8 | 7 | 6 | 3 | 3 | 4 | 5 | 6 |
| Maximum velocities (exceeding 12 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| | Total duration. | | Total amount of precipitation. | Excessive rate. | | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | From— | To— | | Began— | Ended— | | 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

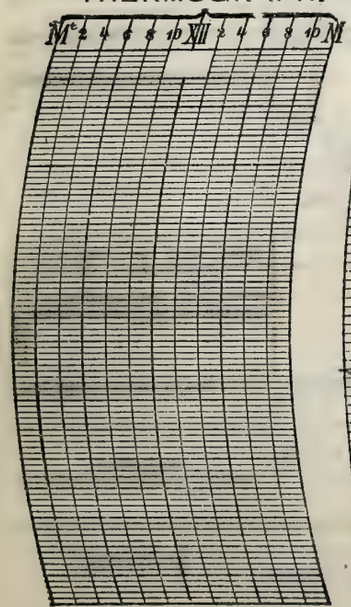
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 89 | 58 | 74 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0–10), 5
Actual sunshine, hours, 14.3 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 95
Prevailing wind direction, SW. Total wind 95
Average hourly velocity, 4.0 Extreme velocity, 11
Maximum velocity, 11 Direction, SW.
Time began, 3:01 p.m.
Reduced barometer, 30.10 7 a. m. 29.97 7 p. m.
River gage, 2.6 feet
Relative humidity, 83 7 a. m. 52 7 p. m.

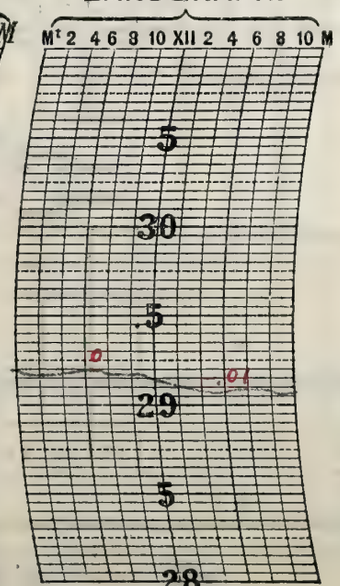
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 84.2 Wet temperature, 74.1
Dew-point, 70 R. humidity, 61 V. pressure, 732
Clouds: Amount, 4; Kind, Ci St; Direction, NW.
Velocity of clouds (miles per hour)

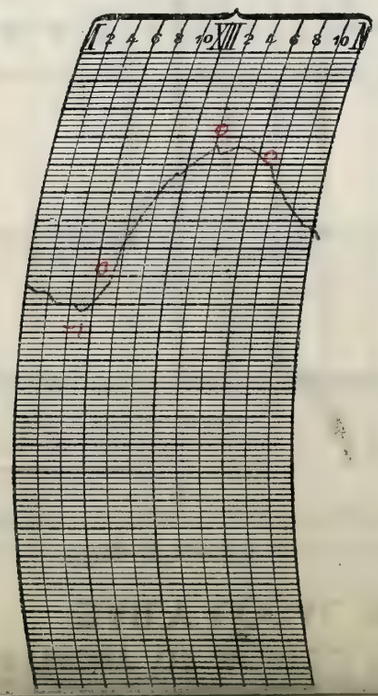
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by BOS

Verified by P. McDonough

NOTES.

A Sunday Complete and hot day. The heat being somewhat oppressive.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Tuesday, (Date) JUL 10 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 73 | 72 | 71 | 71 | 71 | 72 | 76 | 81 | 84 | 87 | 90 | 91 | 91 | 92 | 92 | 93 | 85 | 84 | 82 | 79 | 79 | 76 | 74 | 74 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | R 5:35 RE 5:40 | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | T | | | | | | |
| Cloudiness and other conditions | | | | | ← | | | Clear | | | | → | ← | | Pt. Cloudy | | → | Cloudy | | | | | | → |

Sunrise: Time, 4:18 Character, Clear
Moonrise: 1:45a

Sunset: Time, 7:15 Character, Cloudy
Moonset: 4:12p Cloudy

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sunshine (in tenths of hours) | | | | | 0 | 0.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.2 | 0 | 0 | 0 | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | W | W | W | W | W | W | W | SW | SW | W | W | NW | SW | SW | N | E | N | NE |
| Wind movement | 8 | 10 | 9 | 8 | 7 | 5 | 6 | 7 | 12 | 11 | 10 | 11 | 11 | 13 | 14 | 12 | 10 | 7 | 5 | 4 | 3 | 4 | 4 | 2 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

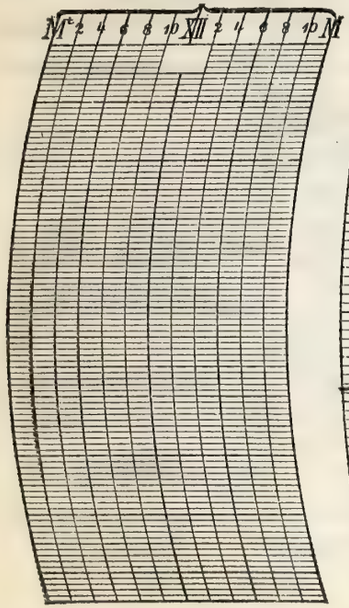
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 93 | 71 | 82 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 11.2 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 79
Prevailing wind direction, SW. Total wind 193
Average hourly velocity, 8.0 Extreme velocity, 20
Maximum velocity, 18 Direction, SW
Time began, 2:04 p.m.
Reduced barometer, 29.98 7 a. m. 29.86 7 p. m.
River gage, 2.6 Feet.
Relative humidity, 76 7 a. m. 52 7 p. m.

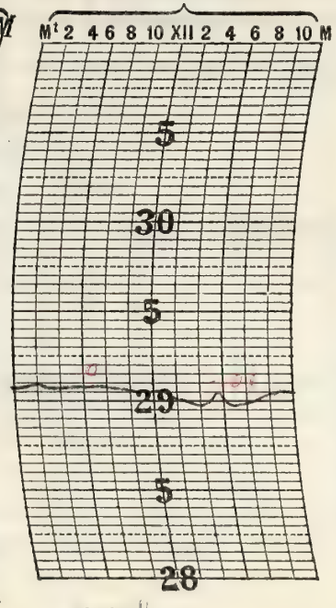
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 89.0 Wet temperature, 78.0
Dew-point, 74 R. humidity, 62 V. pressure, .838
Clouds: Amount, 1; Kind, Cu.; Direction, N.W.
Velocity of clouds (miles per hour)

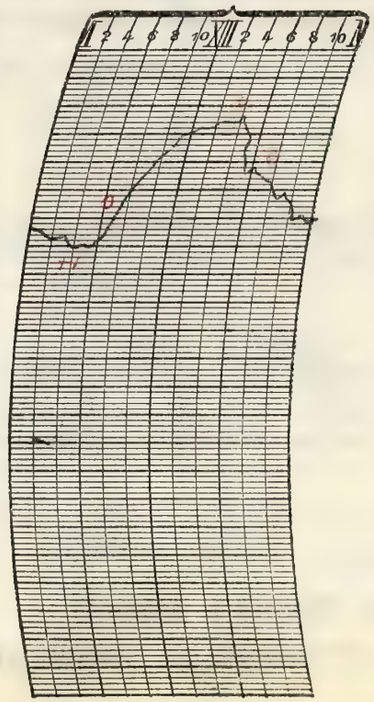
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by C.O.S.
Verified by C. M. Burrough

8—486

NOTES.

A clear and hot day. Somewhat sultry though a fair breeze helped slightly to mitigate the effect of the heat.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) ....., 192

Time (local standard) 90th mer. normal time.

| | A. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 75 | 74 | 74 | 73 | 71 | 75 | 74 | 76 | 79 | 83 | 86 | 79 | 70 | 71 | 71 | 73 | 73 | 71 | 72 | 72 | 71 | 71 | 71 | 70 |
| State of weather. Nature of precipitation and time of beginning and ending | KB 12:10 RE 12:35 | | | | | | | | | | | RB 11:41 RE 11:47 RB 11:03 | | RE 1:10 | RB 2:10 | | | RE 5:40 | | | | | | |
| Amounts of precipitation | .01 | | | | | | | | | | | .09 | .51 | T | .22 | .06 | .09 | .09 | | | | | | |
| Cloudiness and other conditions | ← Cloudy → | | | | Pt Cldy | | | | Cloudy → | | | | Cloudy | | | | | | | | | | | |

Sunrise: Time, 4:18 Character, Cloudy
Moonrise: 2:32a

Sunset: Time, 7:14 Character, Cloudy
Moonset: 8:07p Cloudy

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0.4 | 0.9 | 1.0 | 0.8 | 0.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Wind direction | E | S | SW | NW | N | SE | SE | E | S | SW | SW | SW | SW | W | SE | S | SW | SW | SW | W | N | N | N | N |
| Wind movement | 3 | 6 | 5 | 3 | 4 | 3 | 3 | 3 | 6 | 4 | 4 | 6 | 7 | 6 | 6 | 9 | 6 | 14 | 8 | 5 | 5 | 3 | 3 | 1 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | 33 NE 12:03a | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts 11:55a | 1:10p | 0.60 | 11:55a | 12:18p | 0 | .07 | .11 | .28 | .53 | .60 | | | | | | | | | |

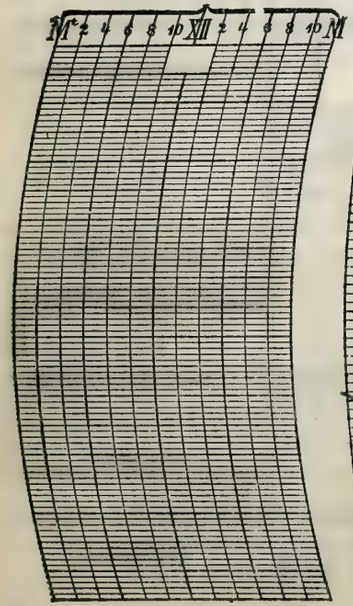
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 86 | 69 | 78 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .01 ins.; to 7 p. m. 1.06 ins.
Total precipitation, midnight to midnight, 1.07 inches.
Character of day, Cloudy Moon phase, .....
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 3.7 Possible sunshine, hours, 14.9
Per cent of possible sunshine, 25
Prevailing wind direction, SW Total wind 121
Average hourly velocity, 5.0 Extreme velocity, 42
Maximum velocity, 33 Direction, NE
Time began, 12:02 p.m.
Reduced barometer, 29.96 7 a. m. 29.91 7 p. m.
River gage, 2.3 Feet
Relative humidity, 80 7 a. m. 96 7 p. m.

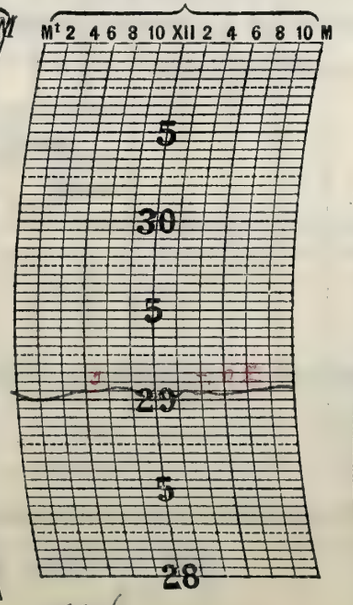
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 85.6 Wet temperature, 76.6
Dew-point, 73 R. humidity, 67 V. pressure, 8.10
Clouds: Amount 10; Kind, Strat; Direction, NW
Velocity of clouds (miles per hour) .....

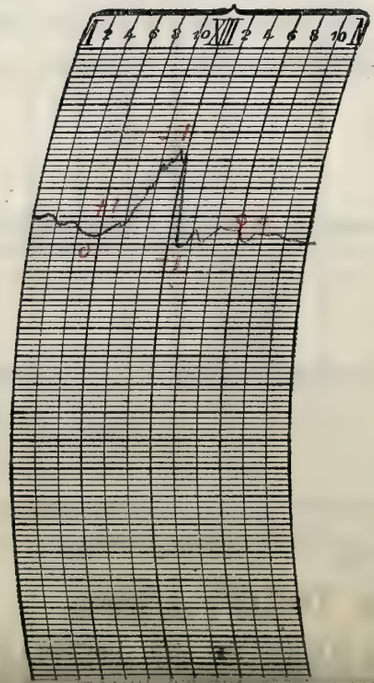
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by .....
Verified by P. McDonough

white featuring horses on his father's farm. W. C. Tillotand, 51 years of age, of Ridge Township near Delphos, O., a farmer was killed by lightning while working in a shed on his farm.

A cloudy and very unsettled day with moderately high temperatures which increased toward evening.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JUL 12 1910, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 70 | 70 | 70 | 70 | 70 | 69 | 70 | 70 | 74 | 76 | 77 | 78 | 81 | 83 | 83 | 82 | 81 | 80 | 78 | 76 | 72 | 71 | 70 | 69 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | 2 | Cloudy | | | | | | | Pt Cloudy | | | | | | | | | | | |
| Sunrise: Time, Character, 4:19 Cloudy. Moonrise: 3:14a | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 7:14 Cloudy. Moonset: 8:59p Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | 1.0 | 1.0 | 0.9 | 0.3 | 0 | 0 | | | | |
| Wind direction | N | NE | NE | NE | NE | NE | E | NE | NE | NE | NE | NE | NE | NE | N | NE | NE | E | E | E | E | E | E | E |
| Wind movement | 2 | 4 | 6 | 7 | 7 | 5 | 6 | 7 | 8 | 8 | 6 | 7 | 7 | 6 | 7 | 8 | 6 | 6 | 6 | 4 | 6 | 4 | 3 | 2 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

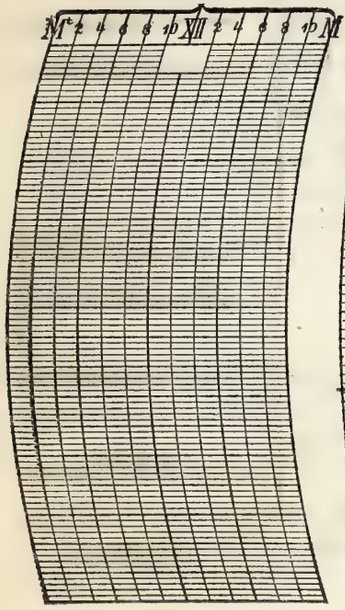
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 84 | 69 | 76 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 9.2 Possible sunshine, hours, 14.9
Per cent of possible sunshine, 62
Prevailing wind direction, NE Total wind 198
Average hourly velocity, 5.8 Extreme velocity, 9
Maximum velocity, 9 Direction, N
Time began, 2:05 PM
Reduced barometer, 30.a' 7 a. m. 29.99 7 p. m.
River gage, 6.0 Feet
Relative humidity, 95 7 a. m. 64 7 p. m.

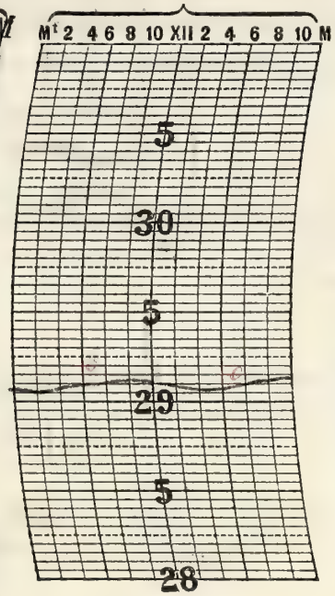
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 79.0 Wet temperature, 72.0
Dew-point, 69 R. humidity, 71 V. pressure, 207
Clouds: Amount, 8; Kind, Cu; Direction, NE
Velocity of clouds (miles per hour)

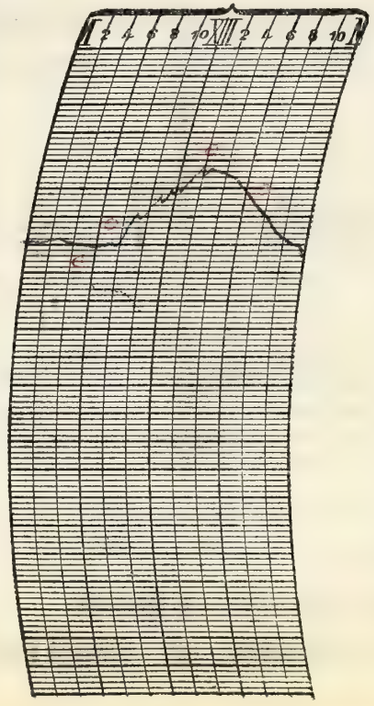
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by CCS

Verified by T. McDonough

8—486

## NOTES.

A frosty cloudy and warm day with moderate temperatures.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Nappanee Ind, (Day of week) Wednesday, (Date) JUL 1 1925, 192

Time (local standard) 90° mer. normal time.

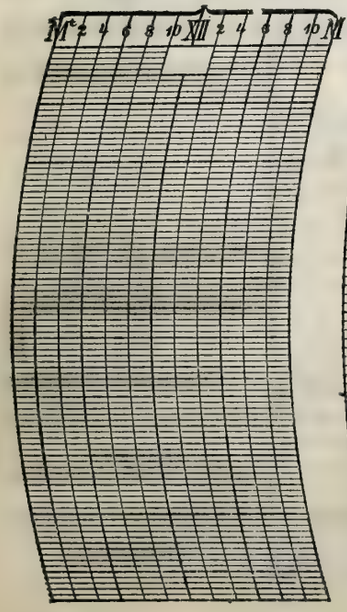
| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 75 | 74 | 74 | 73 | 71 | 73 | 74 | 76 | 79 | 83 | 86 | 79 | 70 | 71 | 71 | 73 | 73 | 71 | 72 | 72 | 71 | 71 | 71 | 70 |
| State of weather: Nature of precipitation and time of beginning and ending | KB 12:10 RE 12:35 | | | | | | | | | | | RB 11:11 RE 11:17 12:05 | | RE 1:10 | RB 2:10 | | | RE 5:40 | | | | | | |
| State of weather: Amounts of precipitation | .01 | | | | | | | | | | | .09 | .51 | T | .22 | .06 | .0 | | | | | | | |
| State of weather: Cloudiness and other conditions | | | | | ← Cloudy × | | | Pt Cldy × | | | | Cloudy | | | | Cloudy | | | | | | | | |
| Sunrise: Time, Character; Moonrise: | Sunrise: 4:18 Cloudy; Moonrise: 2:32a | | | | | | | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0.4 | 0.9 | 1.0 | 0.8 | 0.6 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | E | S | SW | NW | N | SE | SE | E | S | SW | SW | SW | SW | W | SE | S | S | | | | | | | |
| Wind movement | 3 | 6 | 5 | 3 | 4 | 3 | 3 | 3 | 6 | 4 | 4 | 6 | 7 | 0 | 6 | 7 | | | | | | | | |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | 33 NE 12:20 | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive indic. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 3 mi |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 11:55a | 1:10p | 0.60 | 11:33a 12:18p | | 0 | .07 | .11 | .28 | .53 | .60 | | |

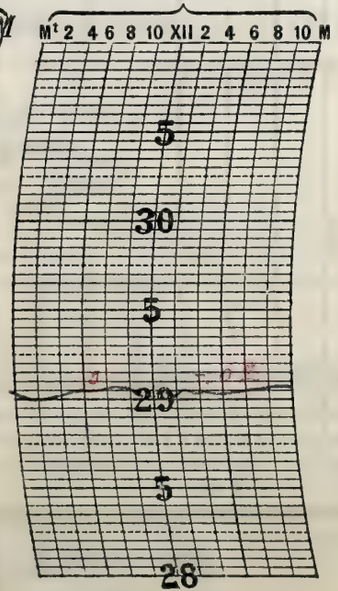
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 86 | 69 | 78 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.

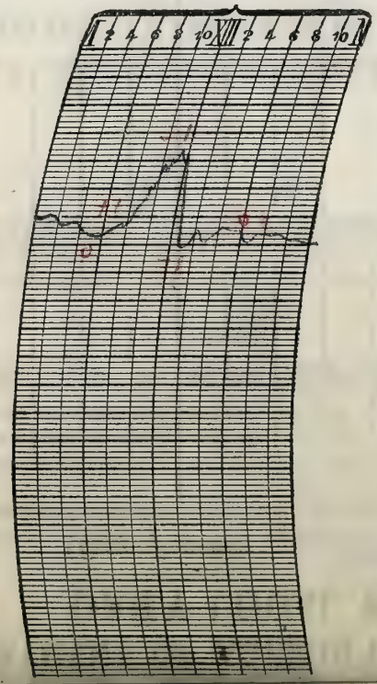
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



A thunderstorm moving from the N.W., began at 11:55 a.m. and ended at 5:30 p.m. The storm was of moderate intensity and accompanied by inconsistent heavy rains. Lightning caused the discontinuance of Indiana Service Corp. power for two periods of 20 and 25 minutes each and put more than 500 telephones out of order. Fire caused by lightning destroyed a barn, shed, cattle horses, hay, and farm implements at the farm of Daniel Algire, five miles southeast of the city. Fire damage amounted to about $2000.00.

Orin Knepp, 14 years old, of near Middlebury, Ind., was killed by lightning

Prepared by COS

Verified by P. McDonough

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JUL 12 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 70 | 70 | 70 | 70 | 70 | 69 | 70 | 70 | 74 | 76 | 77 | 78 | 81 | 83 | 83 | 82 | 81 | 80 | 78 | 76 | 72 | 71 | 70 | 69 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | Cloudy | × | Pt Cloudy | × | Cloudy | × | | | | | Pt Cloudy | | | | | | | | | |
| Sunrise: Time, Character, 4:19 Cloudy; Moonrise: 3:14a | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 7:14 Cloudy; Moonset: 2:52p Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | 1.0 | 1.0 | 0.9 | 0.3 | 0 | 0 | | | | |
| Wind direction | N | NE | NE | NE | NE | NE | E | NE | NE | NE | NE | NE | NE | NE | N | NE | NE | E | E | E | E | E | E | E |
| Wind movement | 2 | 4 | 6 | 7 | 7 | 6 | 6 | 7 | 8 | 8 | 6 | 7 | 7 | 6 | 7 | 8 | 6 | 6 | 6 | 4 | 6 | 4 | 3 | 2 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

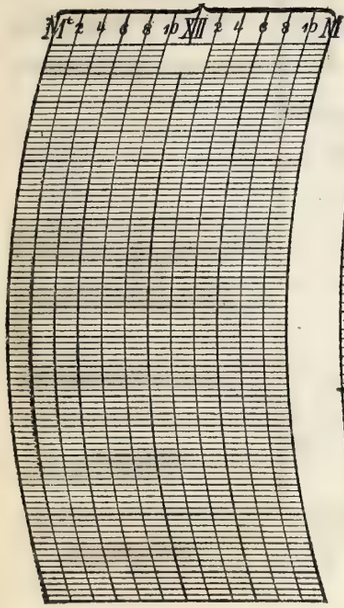
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 84 | 69 | 76 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 9.2 Possible sunshine, hours, 14.9
Per cent of possible sunshine, 62
Prevailing wind direction, NE Total wind 198
Average hourly velocity, 5.8 Extreme velocity, 9
Maximum velocity, 9 Direction, N
Time began, 2:15 pm
Reduced barometer, 29.21 7 a. m. 29.99 7 p. m.
River gage, 6.0 Feet
Relative humidity, 95 7 a. m. 64 7 p. m.

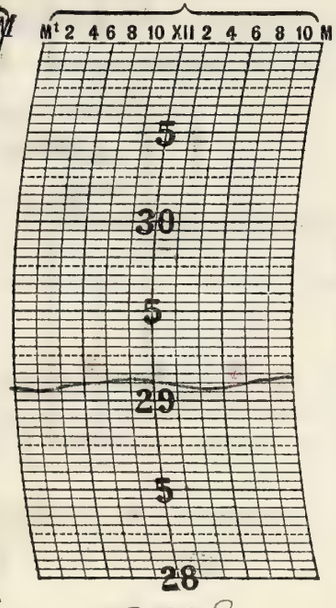
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 79.0 Wet temperature, 72.0
Dew-point, 69 R. humidity, 71 V. pressure, 20.7
Clouds: Amount, 8; Kind, Cu; Direction, NE
Velocity of clouds (miles per hour)

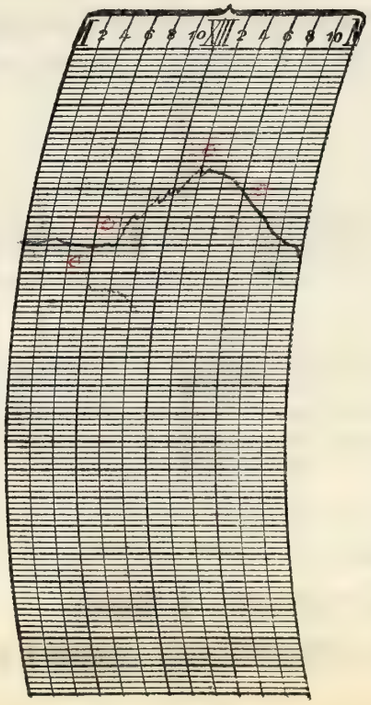
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by E. C. C.
Verified by F. McDonough

8—486

## NOTES.

A hardly cloudy and warm day with moderate temperatures.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JUL 13 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 67 | 66 | 66 | 64 | 64 | 67 | 69 | 74 | 78 | 80 | 80 | 81 | 83 | 83 | 83 | 85 | 83 | 83 | 82 | 80 | 77 | 75 | 75 | 73 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← | | | Clear | | | | | | | | Clear | | | | | | | | → |
| Sunrise: Time, Character, 4:20 Clear. Moonrise: 4:06a | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 7:13 Clear. Moonset: 6:49p Clear | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 1.0 | 1.0 | 1.0 | 0.8 | 0 | 0 | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | E | E | E | NE | NE | E | E | NE | NE | NE | NE | NE | 0 | 0 | 0 | NE | NE | NE |
| Wind movement | 2 | 4 | 3 | 5 | 6 | 4 | 5 | 7 | 6 | 7 | 5 | 4 | 5 | 4 | 4 | 4 | 3 | 2 | 0 | 0 | 0 | 1 | 2 | 2 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

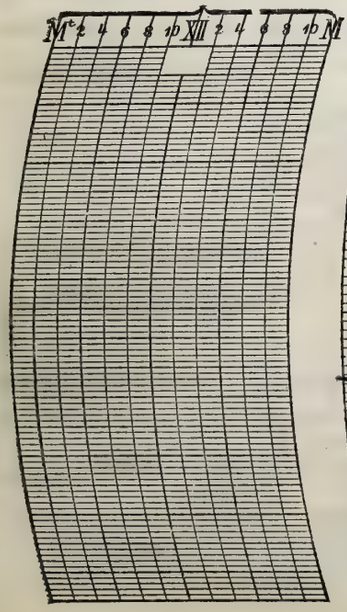
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 85 | 64 | 74 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, New - 6:49 P.M.
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 14.8 Possible sunshine, hours, 14.9
Per cent of possible sunshine, 99
Prevailing wind direction, NE. Total wind, 85
Average hourly velocity, 3.5 Extreme velocity, 8
Maximum velocity, 8 Direction, NE
Time began, 8:03 a.m.
Reduced barometer, 30.06 7 a. m. 29.97 7 p. m.
River gage, 4.5 Feet
Relative humidity, 80 7 a. m. 43 7 p. m.

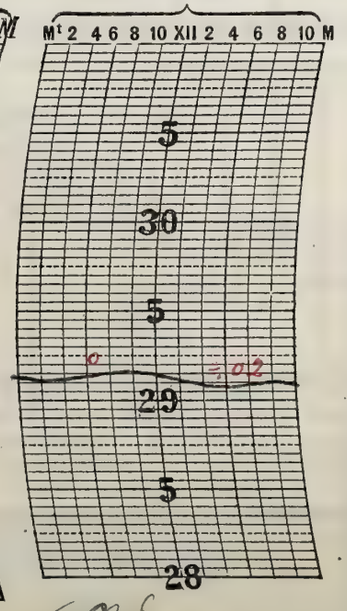
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 80.6 Wet temperature, 66.6
Dew-point, 59 R. humidity, 48 V. pressure, .499
Clouds: Amount, Few; Kind, Cu.; Direction, NW.
Velocity of clouds (miles per hour)

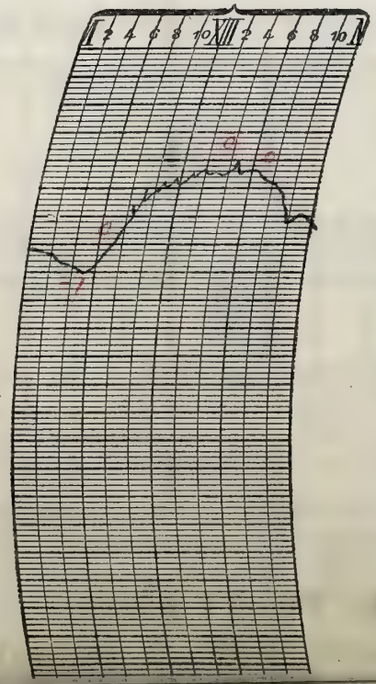
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by [signature]

Verified by P. McDonough

## NOTES.

A clear and warm day.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JUL 14 192 , 192

Time (local standard) 90° mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 71 | 69 | 69 | 68 | 67 | 70 | 71 | 76 | 79 | 82 | 84 | 85 | 88 | 88 | 89 | 88 | 87 | 86 | 84 | 81 | 80 | 79 | 78 | 77 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | NBy E DRP | |
| State of weather: Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | T | T |
| State of weather: Cloudiness and other conditions | | | | | ← | | | Clear | | | | | | | Clear | | | | | → | | | | |
| Sunrise: Time, Character, 4:21 Clear; Moonrise: 5:04a Clear | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 7:13 Cloudy; Moonset: 7:37p Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0 | 0 | | | | |
| Wind direction | E | E | S | S | S | S | SW | SW | SW | SW | SW | W | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW |
| Wind movement | 3 | 3 | 3 | 3 | 4 | 4 | 2 | 8 | 8 | 9 | 8 | 7 | 7 | 9 | 10 | 8 | 9 | 7 | 6 | 8 | 8 | 9 | 9 | 9 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

.65 0.5

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

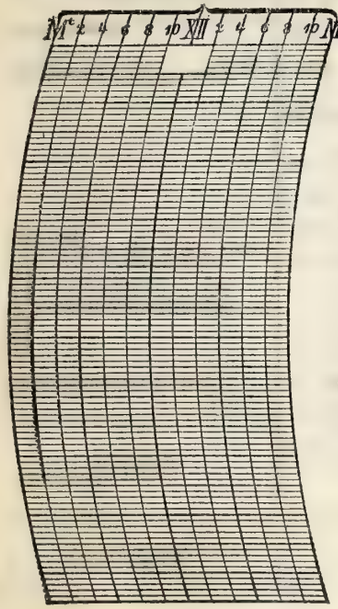
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 89 | 67 | 78 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 13.4 Possible sunshine, hours, 14.9
Per cent of possible sunshine, 90
Prevailing wind direction, SW Total wind 166
Average hourly velocity, 6.9 Extreme velocity,
Maximum velocity, 17 Direction, SW
Time began, 2:01 p.m.
Reduced barometer, 29.98 7 a. m. 29.86 7 p. m.
River gage, 3.8 Feet
Relative humidity, 22 7 a. m. 56 7 p. m.

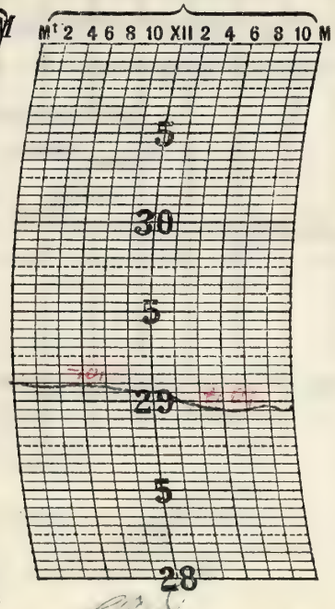
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 84.0 Wet temperature, 68.6
Dew-point, 61 R. humidity, 46 V. pressure, 513.6
Clouds: Amount, Few; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

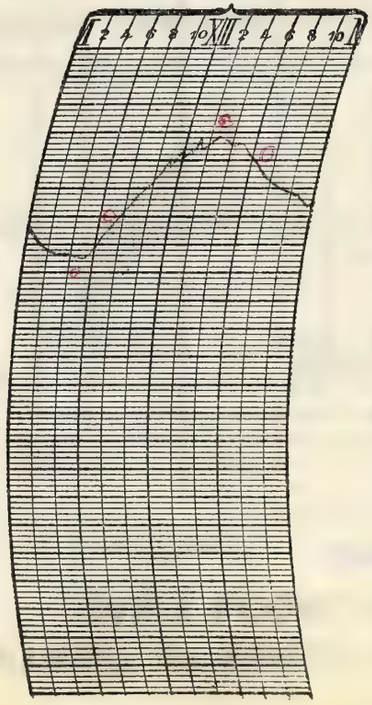
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by
Verified by P. McDonough

8—486

## NOTES.

A clear and cool warm day.
Thunderstorm, beginning at 11:25 p.m. and ending at 11:50 p.m. accompanied by heavy

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JUL 15 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 76 | 75 | 73 | 73 | 72 | 73 | 75 | 78 | 80 | 82 | 77 | 78 | 82 | 81 | 79 | 69 | 72 | 75 | 72 | 73 | 72 | 71 | 71 | 70 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | ABr ONa Cloudy | | | | | | | RD 10:03 AE 10:55 | RD 11:03 AE 11:50 | | | RB 2:27 | RE 3:45 | | | | RB 7:15 AE 7:20 | | | | |
| Amounts of precipitation | | | | T | | | | | | | T | T | | | T | .16 | | | | T | | | | |
| Cloudiness and other conditions | | | | | ← | Pt. Cloudy | | | | | → | | Cloudy | | | | | | Cloudy | | | | ← Pt. Cldy → | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.2 | 0.8 | 1.0 | 1.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | | | | |
| Wind direction | NW | SW | SW | SW | SW | SW | W | W | NW | SW | N | NE | SE | SE | N | S | SE | N | SW | SW | SW | SW | SW | SW |
| Wind movement | 4 | 6 | 9 | 12 | 11 | 10 | 6 | 6 | 2 | 5 | 7 | 3 | 2 | 7 | 8 | 12 | 6 | 6 | 2 | 1 | 4 | 1 | 2 | 1 |
| Maximum velocities (exceeding 22 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:21 Character, Cloudy
Moonrise: 6:06a Cloudy
Sunset: Time, 7:12 Character, Cloudy
Moonset: 8:18p Cloudy

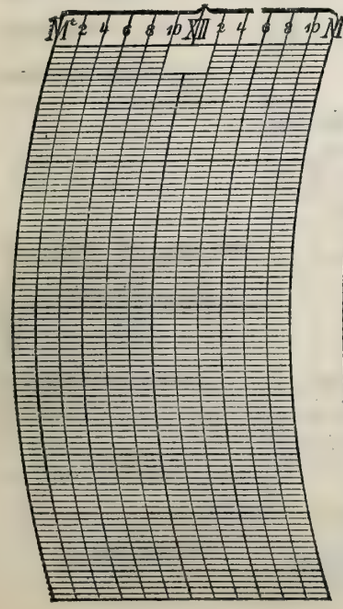
| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 84 | 68 | 76 | |

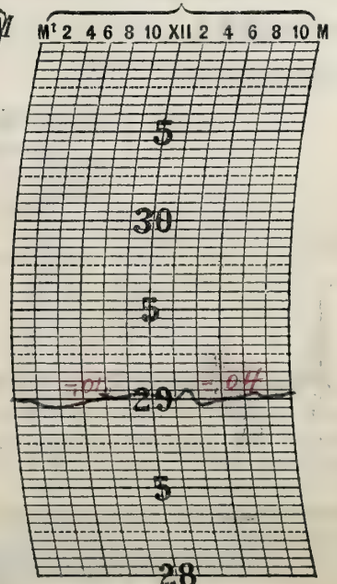
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 6 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .16 ins.
Total precipitation, midnight to midnight, .16 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 7
Actual sunshine, hours, 2.4 Possible sunshine, hours, 14.8
Per cent of possible sunshine, 50
Prevailing wind direction, SW Total wind 134
Average hourly velocity, 5.6 Extreme velocity, 24
Maximum velocity, 22 Direction, SW
Time began, 3:11 p.m.
Reduced barometer, 29.87 7 a. m. 29.86 7 p. m.
River gage, 30 Feet
Relative humidity, 70 7 a. m. 86 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 72.0 Wet temperature, 63.0
Dew-point, 51 R. humidity 83 V. pressure, .357
Clouds: Amount, 10; Kind, Nb; Direction, N
Velocity of clouds (miles per hour)

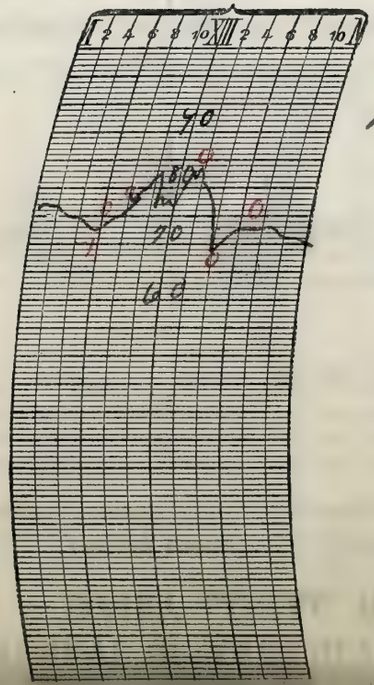
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by
Verified by

## NOTES.

A light thunderstorm moving from the west began at 2:50 p.m. and ended at 3:45 p.m. Storm accompanied by light precipitation

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JUL 16 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 69 | 67 | 67 | 67 | 66 | 66 | 63 | 65 | 66 | 67 | 73 | 77 | 79 | 80 | 81 | 80 | 80 | 77 | 76 | 73 | 71 | 70 | 69 | 68 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← Cloudy | | | | | | | | Pt. Cldy | | | | | → | Clear | | | | | |
| Sunrise: Time, Character, 4:22 Clear. Moonrise: 2:00 a Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 7:11 Clear. Moonset: 8:25 p Clear | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0.3 | 0 | 0 | 0 | 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 0.9 | 0.2 | 0 | 0 | | | | |
| Wind direction | SW | SW | SW | NW | NW | N | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | E | E | E | NE | NE | NE |
| Wind movement | 1 | 4 | 2 | 3 | 2 | 6 | 9 | 10 | 9 | 8 | 7 | 5 | 6 | 7 | 8 | 7 | 10 | 11 | 7 | 5 | 4 | 6 | 4 | 6 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

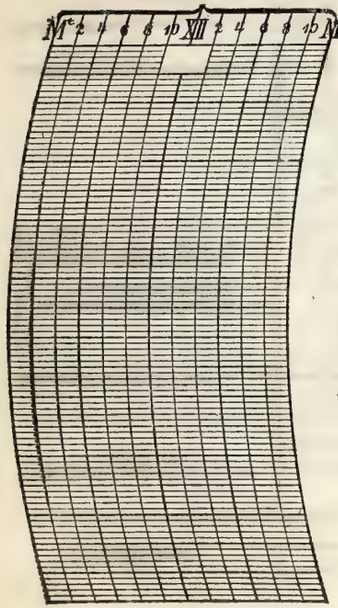
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 81 | 64 | 72 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 10.8 Possible sunshine, hours, 14.5
Per cent of possible sunshine, 73
Prevailing wind direction, NE Total wind 144
Average hourly velocity, 6.1 Extreme velocity, 14
Maximum velocity, 14 Direction, NE
Time began, 5.04 p m.
Reduced barometer, 29.99 7 a. m. 30.05 7 p. m.
River gage, 3.1 Feet
Relative humidity, 100 7 a. m. 62 7 p. m.

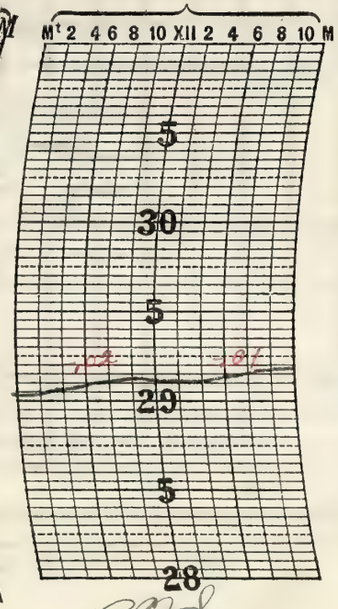
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 78.0 Wet temperature, 69.5
Dew-point, 66 R. humidity, 66 V. pressure, 63
Clouds: Amount, 5; Kind, Cu; Direction, NE
Velocity of clouds (miles per hour)

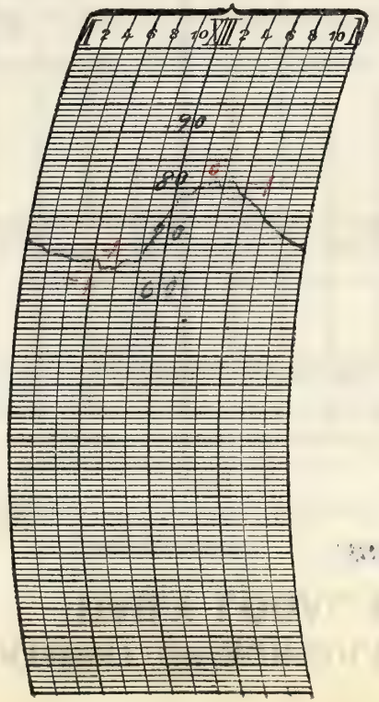
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by C.O.S.
Verified by C. M. Donough

8—486

## NOTES.

Light fog began 6:15 a.m.
Light fog ended - 7:26 a.m.
Cu Partly cloudy and
pleasant day with moderate
temperatures

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind, (Day of week) Tuesday, (Date) JUL 17 1923, 192

Time (local standard), 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 65 | 63 | 63 | 61 | 60 | 61 | 66 | 68 | 73 | 75 | 78 | 79 | 81 | 81 | 82 | 82 | 81 | 80 | 78 | 73 | 71 | 70 | 68 | 67 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← | | | Clear | | | | | | | | | Clear | | | | | | | → |
| Sunrise: Time, Character, 4:23 Clear. Moonrise: 8:17a Clear | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 7:11 Clear. Moonset: 2:30p Clear | | | |
| Sunshine (in tenths of hours) | | | | | .62 0 | 0.4 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.6 0.4 | .18 0 | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | NE | E | E | E | E | E | E | E | E | NE | NE | E | E | E | E | E | E |
| Wind movement | 8 | 8 | 5 | 6 | 5 | 7 | 6 | 7 | 8 | 9 | 9 | 11 | 11 | 11 | 10 | 9 | 13 | 10 | 6 | 6 | 6 | 6 | 5 | 3 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

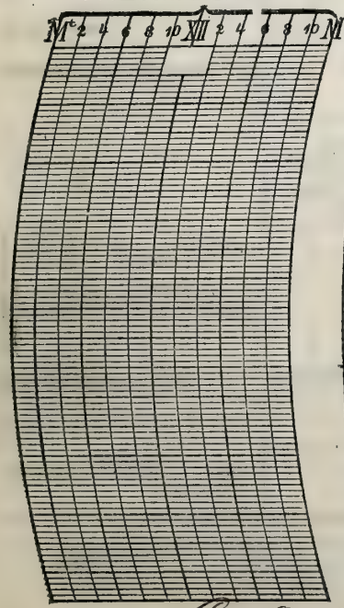
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 83 | 60 | 72 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear. Moon phase,
Average daily cloudiness (0–10), Few.
Actual sunshine, hours, 14.8 Possible sunshine, hours, 14.8
Per cent of possible sunshine, 100
Prevailing wind direction, E Total wind 185
Average hourly velocity, 7.7 Extreme velocity, 15
Maximum velocity, 15 Direction, NE
Time began, 4:47 p.m.
Reduced barometer, 30.18 7 a. m. 30.10 7 p. m.
River gage, 2.6 Feet.
Relative humidity, 68 7 a. m. 38 7 p. m.

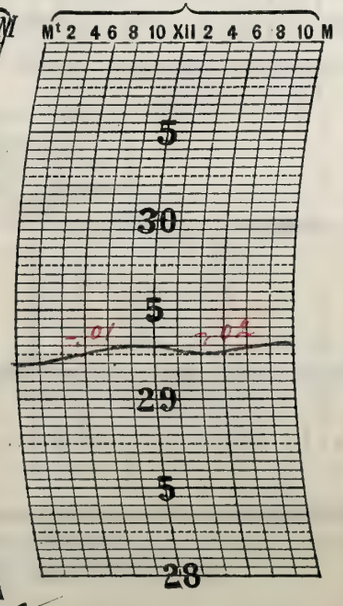
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 79.2 Wet temperature, 65.0
Dew-point, 57 R. humidity, 46 V. pressure, 463
Clouds: Amount, Few.; Kind, Cu.; Direction, E
Velocity of clouds (miles per hour)

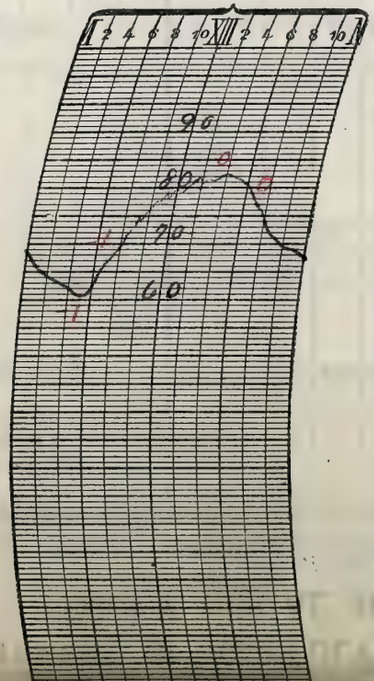
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by C. O. S.
Verified by F. McDonough

NOTES.

A clear and moderately warm day with light variable winds.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JUL 18 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 65 | 63 | 62 | 62 | 60 | 62 | 67 | 73 | 76 | 77 | 80 | 82 | 83 | 84 | 86 | 85 | 85 | 84 | 82 | 77 | 75 | 73 | 71 | 70 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← | | Clear | | | | | | | | | Clear | | | | | → | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0 | 0 | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | E | E | E | NE | E | E | E | E | E | E | E | E | NE | E | E | E | E |
| Wind movement | 5 | 7 | 6 | 6 | 4 | 5 | 7 | 8 | 10 | 9 | 7 | 8 | 7 | 8 | 8 | 7 | 6 | 5 | 3 | 7 | 6 | 5 | 4 | 2 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:24 Character, Clear
Moonrise: 9:24a Clear
Sunset: Time, 7:10 Character, Clear
Moonset: 10:05p Clear

.60 0.3 1.0 .10

| Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

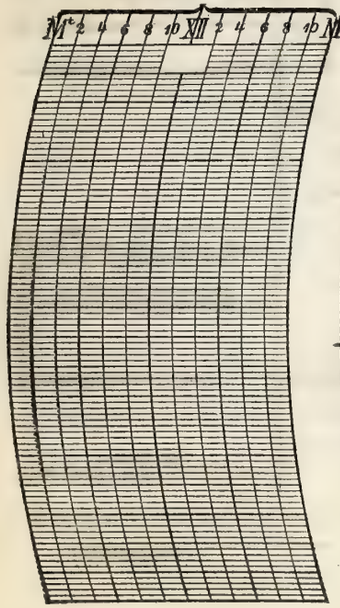
Excessive precipitation, accumulated amounts

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 86 | 60 | 73 | |

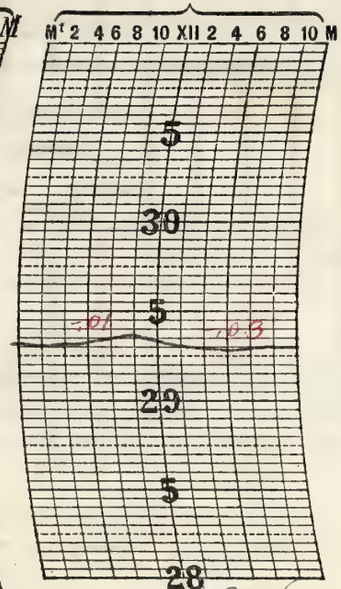
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0–10), 0
Actual sunshine, hours, 14.8 Possible sunshine, hours, 14.8
Per cent of possible sunshine, 100
Prevailing wind direction, E Total wind 1350
Average hourly velocity, 6.2 Extreme velocity, 14
Maximum velocity, 13 Direction, E
Time began, 8:00 a.m.
Reduced barometer, 30.14 7 a. m. 30.16 7 p. m.
River gage, 2.6 feet
Relative humidity, 77 7 a. m. 44 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 82.0 Wet temperature, 64.0
Dew-point, 53 R. humidity 37 V. pressure, 402
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

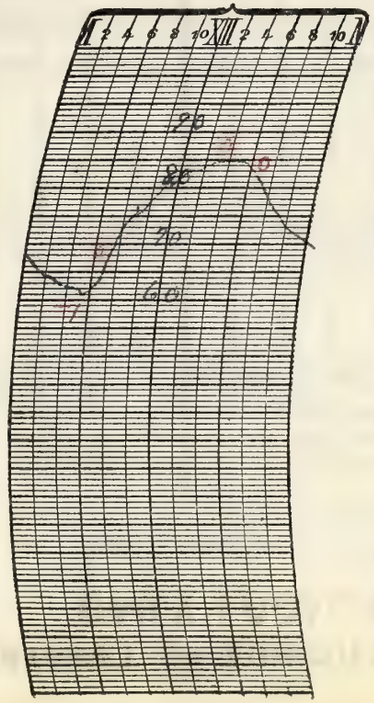
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by
Verified by C M McDonough

8—486

## NOTES.

A clear and warm day and cloudless.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JUL 19 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 66 | 66 | 65 | 64 | 64 | 64 | 66 | 74 | 79 | 81 | 84 | 85 | 86 | 87 | 89 | 88 | 88 | 87 | 86 | 80 | 77 | 75 | 74 | 72 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation Cloudiness and other conditions | | | | | ← Clear | | | | | | | | | | | Clear | | | | | | | | → |
| | Sunrise: Time, 4:25 Character, Clear | | | | | | | | | | | | | | | | | | | | Sunset: Time, 7:09 Character, Clear | | | |
| | Moonrise: 10:32a Clear | | | | | | | | | | | | | | | | | | | | Moonset: 10:42p Clear | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.3 | 0 | | | | |
| Wind direction | E | N | NE | NE | NE | NE | NE | NE | NE | N | N | N | N | N | NW | N | N | N | 0 | 0 | 0 | 0 | N | N |
| Wind movement | 3 | 4 | 6 | 3 | 4 | 3 | 1 | 3 | 4 | 4 | 5 | 4 | 7 | 6 | 7 | 6 | 4 | 6 | 0 | 0 | 0 | 0 | 1 | 1 |
| Maximum velocities (exceeding 25 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

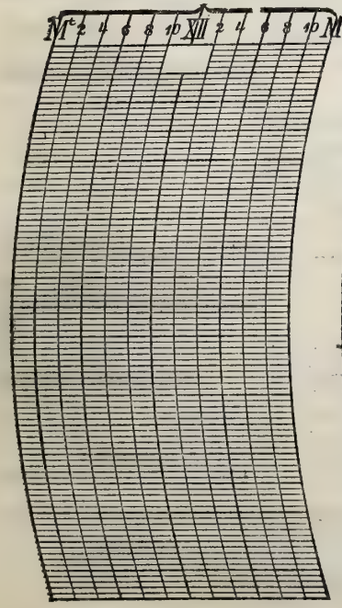
| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 89 | 64 | 76 | |

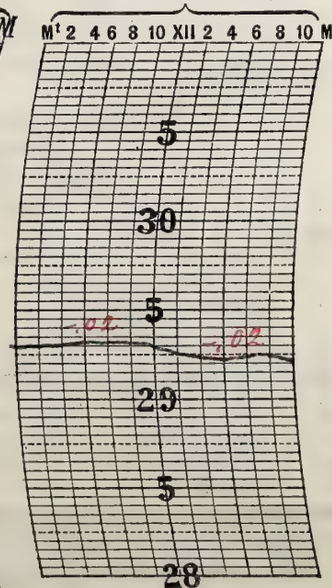
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 14.2 Possible sunshine, hours, 14.2
Per cent of possible sunshine, 100
Prevailing wind direction, N Total wind 81
Average hourly velocity, 3.4 Extreme velocity, 8
Maximum velocity, 8 Direction, NE
Time began, 12:13 p.m.
Reduced barometer, 30.[illegible] 7 a. m. 30.12 7 p. m.
River gage, 1.8 Feet
Relative humidity, [illegible] 7 a. m. 31 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 84.6 Wet temperature, 65.2
Dew-point, 54 R. humidity, 36 V. pressure, 417
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

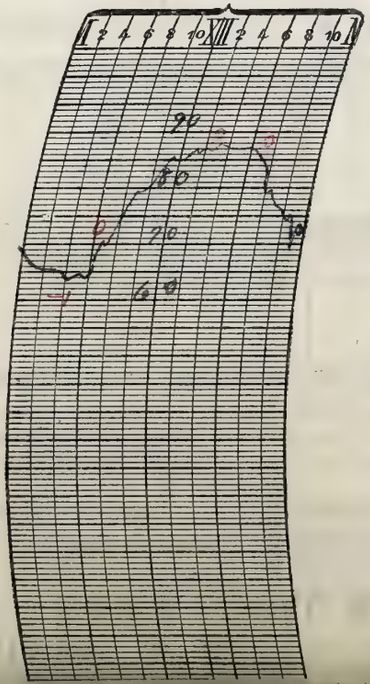
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



NOTES.

a clear and hot day.

Prepared by [illegible]

Verified by P. McDonough

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JUL 20 1923, 192

Time (local standard). 90° mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 66 | 67 | 66 | 64 | 64 | 64 | 73 | 79 | 83 | 86 | 87 | 88 | 89 | 91 | 91 | 90 | 89 | 88 | 85 | 84 | 82 | 78 | 76 | 75 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← Clear | | | | | | | | Clear → | | | | | | | | | | | |
| Sunrise: Time, Character, 4:26 Clear. Moonrise: 11:41a Clear | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 7:29 Cloudy. Moonset: 11:16p Clear | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.5 | 0 | 0 | | | | |
| Wind direction | 0 | 0 | W | W | W | NW | NW | W | W | SW | SW | SW | NW | NW | SW | SW | SW | SW | SW | SW | W | W | W | SW |
| Wind movement | 0 | 0 | 1 | 1 | 3 | 3 | 2 | 3 | 3 | 4 | 5 | 5 | 7 | 6 | 7 | 9 | 7 | 5 | 6 | 4 | 4 | 4 | 3 | 3 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

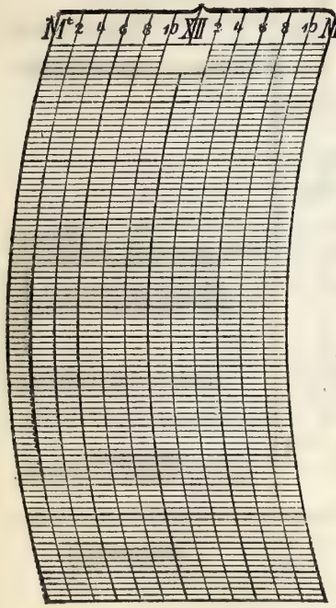
| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 92 | 61 | 76 | |

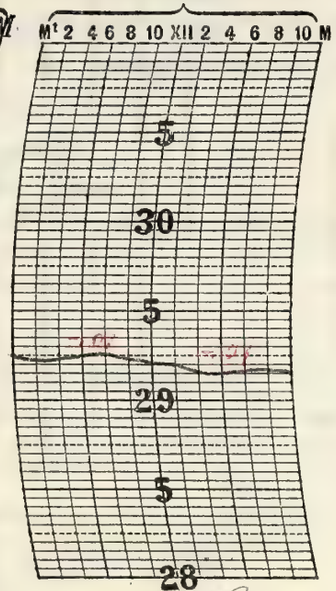
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, F.Q. 7:33p
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 13.1 Possible sunshine, hours, 14.2
Per cent of possible sunshine, 89
Prevailing wind direction, SW Total wind 93
Average hourly velocity, 3.9 Extreme velocity, 12
Maximum velocity, 12 Direction, SW
Time began, 2:58 p.m.
Reduced barometer, 30.14 7 a. m. 30.02 7 p. m.
River gage, 1.6 Fall
Relative humidity, 58 7 a. m. 44 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 88.1 Wet temperature, 67.2
Dew-point, 55 R. humidity, 33 V. pressure, .432
Clouds: Amount, Few.; Kind, A St.; Direction, NW
Velocity of clouds (miles per hour)

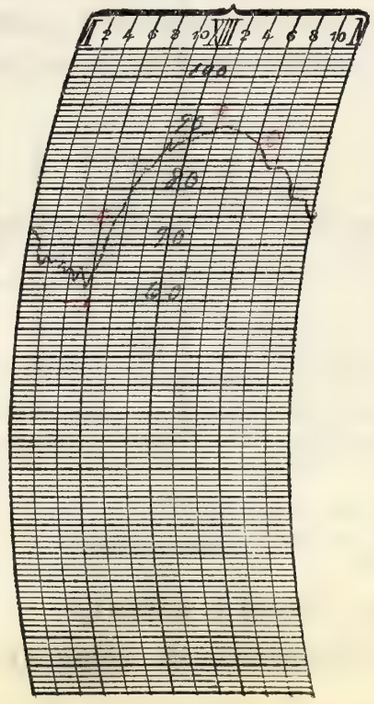
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by E. S.
Verified by P. McDonough

8—486

NOTES.

A clear and hot day

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Worth, Texas, (Day of week) Saturday, (Date) JUL 21 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 75 | 73 | 73 | 72 | 70 | 70 | 71 | 80 | 86 | 87 | 90 | 91 | 88 | 92 | 92 | 90 | 90 | 87 | 85 | 82 | 79 | 76 | 74 | 73 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | 2 | — | Pt. Cloudy | — | — | — | — | — | × Clear | × | — | Pt. Cloudy | — | — | — | — | — | — | — | — |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.4 | 1.0 | 1.0 | 1.0 | 1.0 | 0 | 0 | 0 | | | | |
| Wind direction | SW | SW | W | SW | SW | SW | W | W | W | W | NW | NW | NW | NW | NW | NW | NW | NW | NW | N | NW | NW | N | N |
| Wind movement | 5 | 2 | 5 | 6 | 7 | 5 | 4 | 4 | 4 | 8 | 10 | 14 | 12 | 14 | 9 | 14 | 12 | 9 | 7 | 5 | 7 | 6 | 7 | 6 |
| Maximum velocities (exceeding 22 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:27 Character, Cloudy
Moonrise: 12:49p Clear

Sunset: Time, 7:08 Character, Cloudy
Moonset: 11:53p Cloudy

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

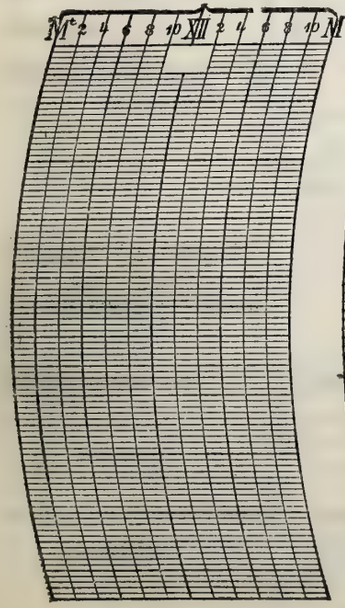
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 92 | 69 | 80 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 9.5 Possible sunshine, hours, 14.7
Per cent of possible sunshine, 65
Prevailing wind direction, NW Total wind 182
Average hourly velocity, 7.8 Extreme velocity, 19
Maximum velocity, 19 Direction, NW
Time began, 1:15 p.m.
Reduced barometer, 30.04 7 a. m. 29.97 7 p. m.
River gage, 1.4 Feet.
Relative humidity, 77 7 a. m. 57 7 p. m.

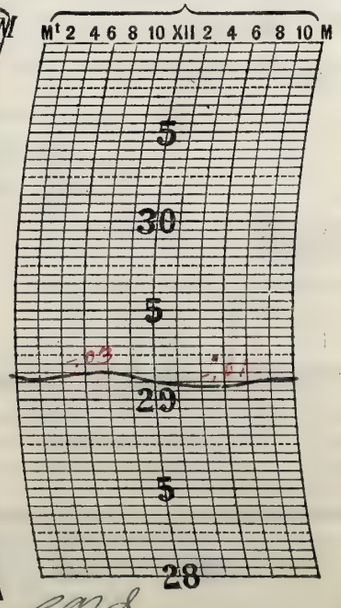
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 91.0 Wet temperature, 70.0
Dew-point, 57 R. humidity, 34 V. pressure, 499
Clouds: Amount, 3; Kind, Ast; Direction, W
Velocity of clouds (miles per hour)

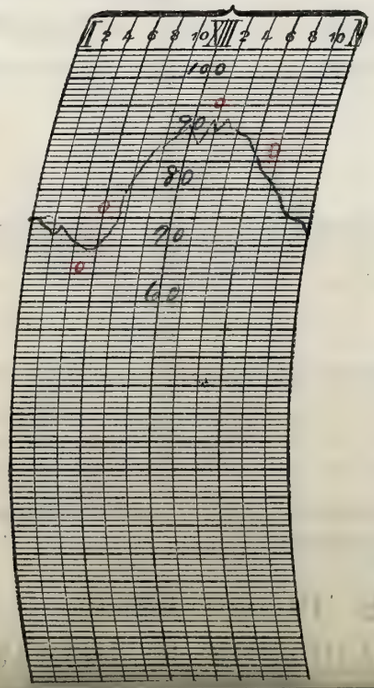
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




NOTES.

Mostly Cloudy day with high Temperatures

Prepared by [signature]
Verified by P. McDonough

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne. Ind., (Day of week) Sunday, (Date) JUL 22 1923, 192

Time (local standard). 90 mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 72 | 71 | 71 | 69 | 68 | 68 | 72 | 76 | 79 | 81 | 83 | 83 | 84 | 85 | 85 | 84 | 83 | 81 | 79 | 76 | 73 | 71 | 70 | 67 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← | | | Clear | | | | | | | | Clear | | | | | | | | → |
| Sunrise: Time, Character, | 4:22 Clear | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: | 1:58p Clear | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, Character, | | | | | | | | | | | | | | | | | | | | | 7:07 Clear | | | |
| Moonset: | | | | | | | | | | | | | | | | | | | | | — | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.6 | 0 | 0 | | | | |
| Wind direction | N | N | N | N | N | N | N | N | NE | N | N | N | N | N | N | N | N | NE | E | E | E | E | E | SE |
| Wind movement | 4 | 5 | 4 | 4 | 6 | 3 | 4 | 5 | 9 | 8 | 10 | 11 | 12 | 11 | 10 | 9 | 8 | 10 | 7 | 6 | 4 | 3 | 2 | 3 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

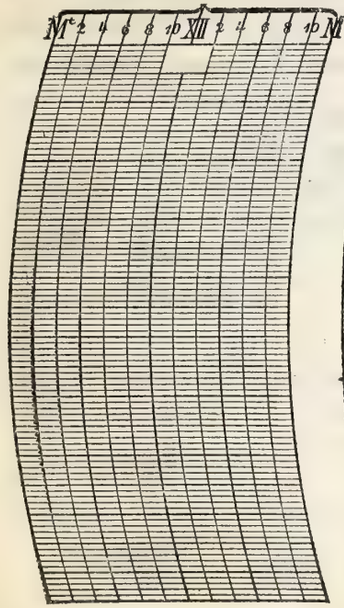
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 86 | 67 | 76 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 14.5 Possible sunshine, hours, 14.7
Per cent of possible sunshine, 99
Prevailing wind direction, N Total wind 157
Average hourly velocity, 6.5 Extreme velocity, 13
Maximum velocity, 15 Direction, NNW
Time began, 1:36 p.m.
Reduced barometer, 30.08 7 a. m. 30.05 7 p. m.
River gage, 1.3 Feet.
Relative humidity, 60 7 a. m. 44 7 p. m.

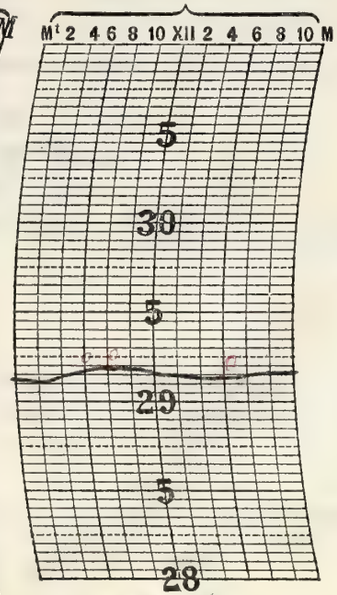
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 84.0 Wet temperature, 64.0
Dew-point, 61 R. humidity, 32 V. pressure, 373
Clouds: Amount, 1; Kind, Cu; Direction, N
Velocity of clouds (miles per hour)

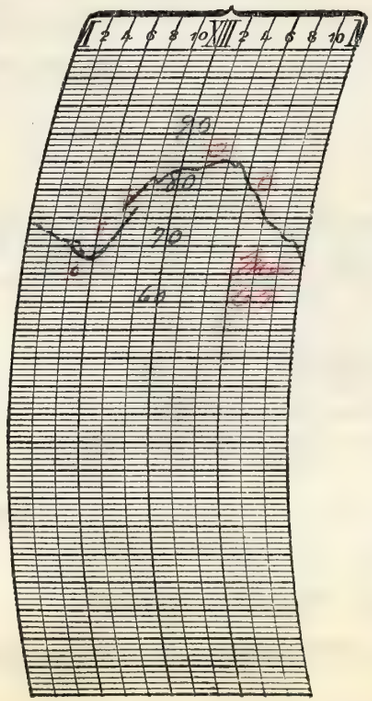
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by

Verified by C. McDonough

8—486

## NOTES.

A clear day with high temperatures

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JUL 23 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 65 | 62 | 61 | 60 | 60 | 62 | 66 | 70 | 74 | 77 | 79 | 83 | 82 | 80 | 76 | 71 | 69 | 69 | 70 | 70 | 70 | 70 | 69 | 64 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | RB 2:05 RE 2:18 RB 2:58 | | RE 4:54 | RB 5:10 RE 6:45 | | | RB 8:30 RE 8:40 | | RB 10:30 | |
| Amounts of precipitation | | | | | | | | | | | | | | | T | .03 | .01 | .01 | | | T | | .13 | .48 |
| Cloudiness and other conditions | | | | | ← | | | Pt. Cloudy | | | | → | ← | | | Cloudy | | | | | | | | → |
| Sunrise: Time, Character, | 4:28 Cloudy | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: | 3:04a Cloudy | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, Character, | | | | | | | | | | | | | | | | | | | | | 7:06 Cloudy | | | |
| Moonset: | | | | | | | | | | | | | | | | | | | | | 12:38a | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0.6 | 0.8 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 0.6 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Wind direction | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | S | S | S | S | S | SE | E | E | SE | S | S | S | SW | SW |
| Wind movement | 3 | 2 | 4 | 4 | 3 | 2 | 2 | 3 | 5 | 6 | 8 | 11 | 12 | 13 | 10 | 4 | 8 | 7 | 8 | 9 | 11 | 13 | 9 | 9 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

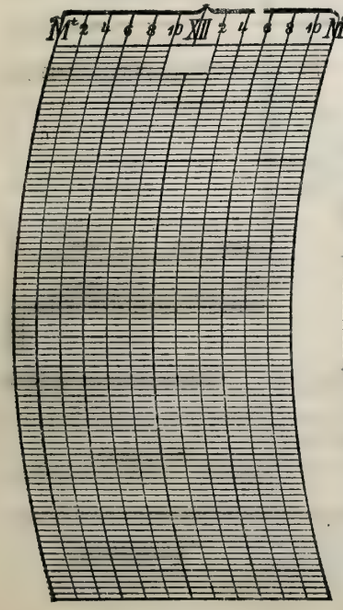
| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 83 | 60 | 72 | |

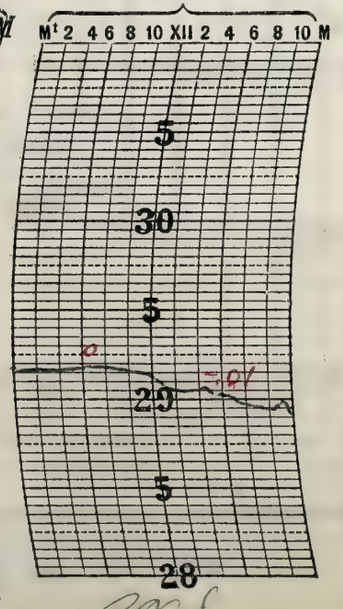
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .05 ins.
Total precipitation, midnight to midnight, 2.66 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 8
Actual sunshine, hours, 6.9 Possible sunshine, hours, 14.6
Per cent of possible sunshine, 47
Prevailing wind direction, SE Total wind 166
Average hourly velocity, 6.9 Extreme velocity, 21
Maximum velocity, 19 Direction, S
Time began, 1:45 p.m.
Reduced barometer, 30.10 7 a. m. 29.88 7 p. m.
River gage, 1.2 Fall
Relative humidity, 68 7 a. m. 79 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 81.6 Wet temperature, 65.6
Dew-point, 55 R. humidity, 41 V. pressure, 14.32
Clouds: Amount, 6; Kind, Cu.; Direction, SE
Velocity of clouds (miles per hour)

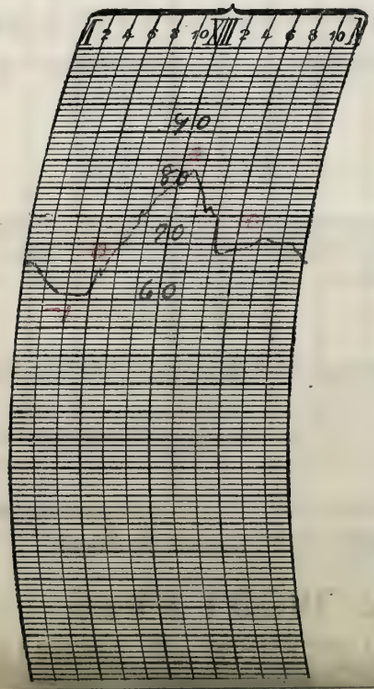
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by C. M. S.
Verified by P. M. Donough

## NOTES.

A cloudy and warm and somewhat sultry day.
A thunderstorm of light intensity, accompanied by moderate precipitation began at 10:25 p.m. moving from the west, and continued into the 24th.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JUL 24 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 67 | 68 | 69 | 69 | 69 | 70 | 72 | 73 | 73 | 77 | 80 | 81 | 82 | 82 | 83 | 84 | 83 | 81 | 79 | 75 | 74 | 72 | 71 | 70 |
| State of weather: Nature of precipitation and time of beginning and ending | | | RG ONA | | | | | | | | | | | | | | | | | | | | | |
| State of weather: Amounts of precipitation | T | .03 | .02 | | | | | | | | | | | | | | | | | | | | | |
| State of weather: Cloudiness and other conditions | | | | | ← | | Pt. Cloudy* | | | Cloudy + | | | Pt. Cloudy | | | Clear | | | | | | | | |
| Sunrise: Time, Character; Moonrise: | Sunrise: 4:29 Cloudy; Moonrise: 4:08p Clear | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character: 7:05 Clear; Moonset: 1:25a | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0.7 | 0.7 | 0.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 .2 | .08 0 | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | W | N | N | N | N | NW | N | NW | N | N | NW | NW | NW | NW | NW | N | N |
| Wind movement | 10 | 13 | 13 | 5 | 5 | 6 | 5 | 4 | 6 | 7 | 8 | 12 | 12 | 14 | 14 | 13 | 13 | 11 | 10 | 7 | 8 | 8 | 6 | 5 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

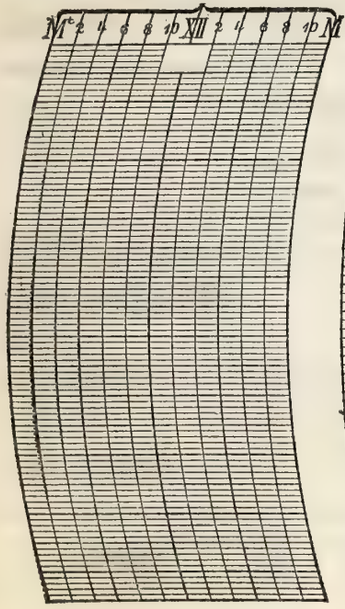
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 84 | 66 | 75 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m. .66 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .05 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours 11.9 Possible sunshine, hours, 14.6
Per cent of possible sunshine, 82
Prevailing wind direction, N Total wind 215
Average hourly velocity, 9.0 Extreme velocity, 18
Maximum velocity, 16 Direction, N.W.
Time began, 1:18 p.m.
Reduced barometer, 29.25 7 a. m. 29.28 7 p. m.
River gage, 1.5 Feet
Relative humidity, 86 7 a. m. 54 7 p. m.

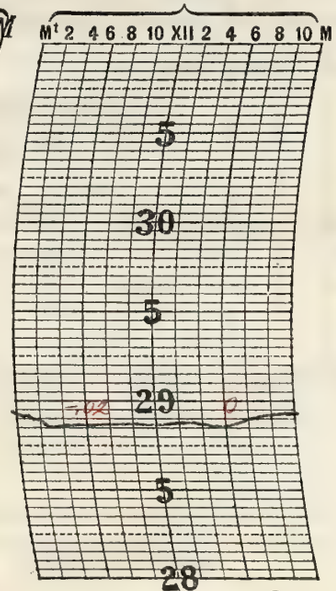
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 81.0 Wet temperature, 71.0
Dew-point, 66 R. humidity, 62 V. pressure, 638
Clouds: Amount, 6; Kind, Cu; Direction, N.W.
Velocity of clouds (miles per hour)

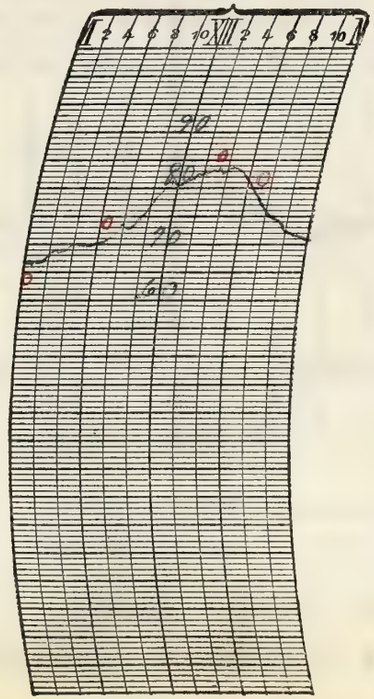
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by CCS

Verified by C. M. Donnegan

8—486

## NOTES.

An thunderstorm which began on the night of the 23rd, ended this date D. M. A.
A partly cloudy and rather pleasant day, though moderately warm.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JUL 25 1923, 192

Time (local standard), 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 67 | 66 | 64 | 63 | 62 | 64 | 65 | 69 | 71 | 73 | 75 | 76 | 77 | 78 | 77 | 76 | 77 | 75 | 73 | 70 | 68 | 66 | 65 | 63 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← | | | Clear | | | | → | | | | Pt Cloudy | | × | Clear | | | | | |
| Sunrise: Time, Character, 4:30 Clear. Moonrise: 5:08 p Clear | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 7:04 Clear. Moonset: 2:16 a | | | |
| Sunshine (in tenths of hours) | | | | | .50 0 | 0.5 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 0.7 | 0.7 | 0.3 0.6 | 1.0 0 | 0.7 0 | | | | |
| Wind direction | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | NE | NE | NE | NE | NE | NE | E | E |
| Wind movement | 7 | 5 | 5 | 7 | 5 | 7 | 8 | 9 | 8 | 10 | 10 | 11 | 11 | 10 | 10 | 9 | 9 | 10 | 7 | 9 | 7 | 6 | 5 | 4 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

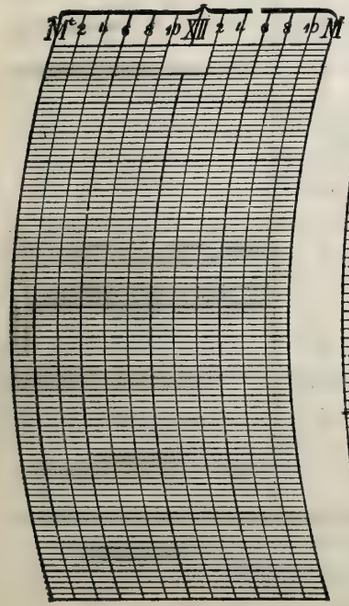
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 78 | 62 | 70 | – |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0–10), 4
Actual sunshine, hours, 13.8 Possible sunshine, hours, 14.6
Per cent of possible sunshine, 95
Prevailing wind direction, N Total wind 189
Average hourly velocity, 7.9 Extreme velocity, 15
Maximum velocity, 14 Direction, N
Time began, 12:14 p.m.
Reduced barometer, 29.93 7 a. m. 29.97 7 p. m.
River gage, 1.5 feet
Relative humidity, 75 7 a. m. 46 7 p. m.

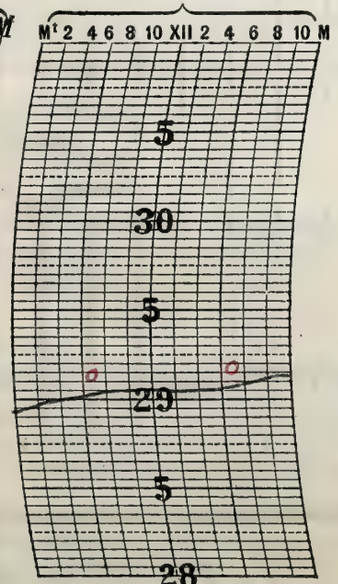
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 76.0 Wet temperature, 61.0
Dew-point, 51 R. humidity, 42 V. pressure, .323
Clouds: Amount, 4; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

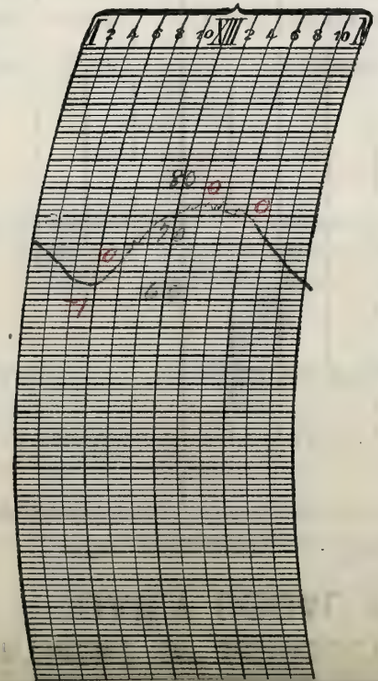
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by
Verified by P. McDonough

NOTES.

A partly cloudy and very pleasant day with moderate temperatures. The night was illuminated with bright moonlight

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JUL 26 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 61 | 60 | 59 | 58 | 58 | 62 | 66 | 68 | 70 | 73 | 74 | 76 | 77 | 78 | 78 | 79 | 78 | 77 | 75 | 73 | 70 | 69 | 69 | 68 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← | Clear | | | | | | | | | | Clear | | | | | | | | → |
| Sunrise: Time, Character, 4:31 Clear | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 7:03 Cloudy | | | |
| Moonrise: 6:01p Cloudy | | | | | | | | | | | | | | | | | | | | | Moonset: 3:13a | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 0 | 0 | | | | |
| Wind direction | E | E | 0 | E | 0 | 0 | E | SE | SE | E | E | E | E | E | E | SE | SE | SE | E | SE | SE | SE | SE | SE |
| Wind movement | 4 | 2 | 0 | 1 | 0 | 0 | 1 | 5 | 5 | 4 | 7 | 6 | 5 | 5 | 6 | 6 | 6 | 4 | 3 | 4 | 5 | 4 | 6 | 3 |
| Maximum velocities (exceeding 12 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

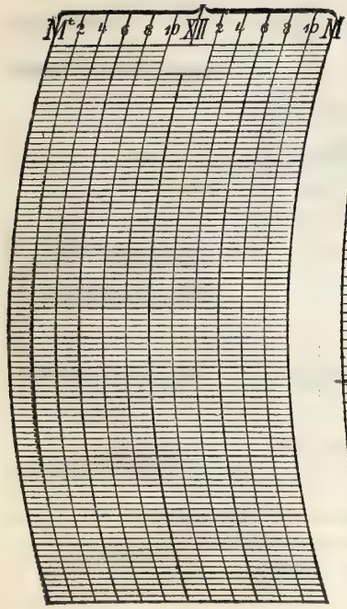
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 79 | 58 | 68 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 13.4 Possible sunshine, hours, 14.5
Per cent of possible sunshine, 92
Prevailing wind direction, E Total wind 2
Average hourly velocity, 3.8 Extreme velocity, 12
Maximum velocity, 12 Direction, NE
Time began, 10:34 a.m.
Reduced barometer, 30.13 7 a. m. 29.99 7 p. m.
River gage, 1.4 Feet
Relative humidity, 62 7 a. m. 43 7 p. m.

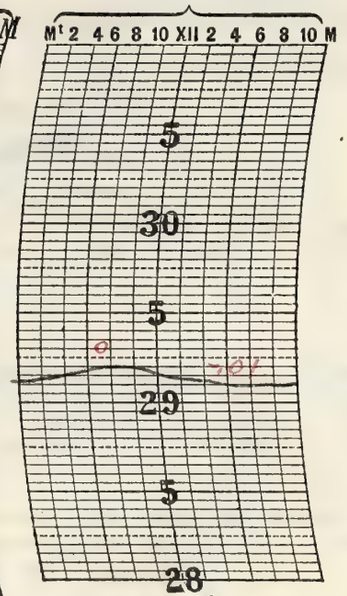
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 74.2 Wet temperature, 59.2
Dew-point, 48 R. humidity, 39 V. pressure, 334
Clouds: Amount, 1; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

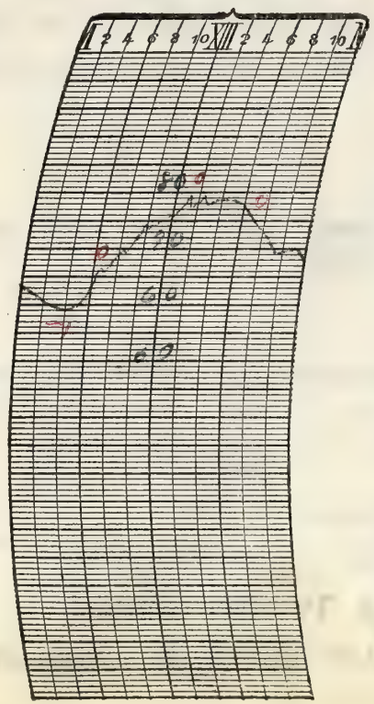
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by C. D. Lyons

Verified by C. M. Donnegh

8—486

## NOTES.

A clear day with moderate temperatures. The night was resplendent with bright moonlight.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JUL 27 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 67 | 65 | 65 | 65 | 64 | 65 | 67 | 70 | 75 | 77 | 76 | 74 RB 11:03 | 68 | 67 | 68 | 69 | 69 | 69 | 68 RE 6:32 | 68 RB 7:30 | 68 | 68 | 68 | 67 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | T | .11 | .08 | .19 | .04 | .06 | .01 | .06 | .01 | .33 | .66 | .35 | .02 |
| Cloudiness and other conditions | | | | | ← | | | | Cloudy | | | → | | | | | Cloudy | | | | → | | | |
| Sunrise: Time, Character, 4:32 Cloudy. Moonrise: 6:48p Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 2:03 Cloudy. Moonset: 4:14a Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0.2 | 0.8 | 0.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Wind direction | SE | SE | SE | SE | S | S | S | S | S | S | S | SE | SE | S | SE | SE | S | SW | SW | W | SE | SE | SE | SE |
| Wind movement | 2 | 2 | 2 | 2 | 5 | 5 | 7 | 8 | 6 | 5 | 6 | 2 | 6 | 8 | 5 | 5 | 6 | 8 | 7 | 1 | 1 | 3 | 3 | 2 |
| Maximum velocities (exceeding 20 miles) direction and time. | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

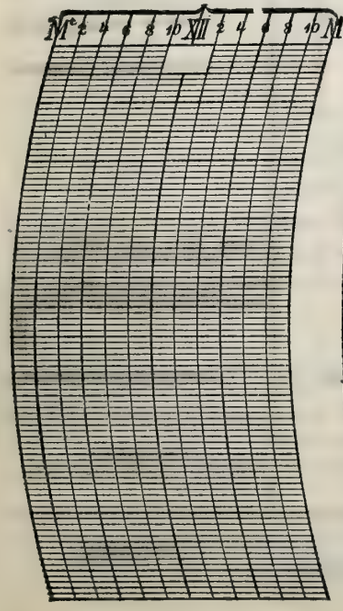
Excessive precipitation, accumulated amounts

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 78 | 64 | 71 | |

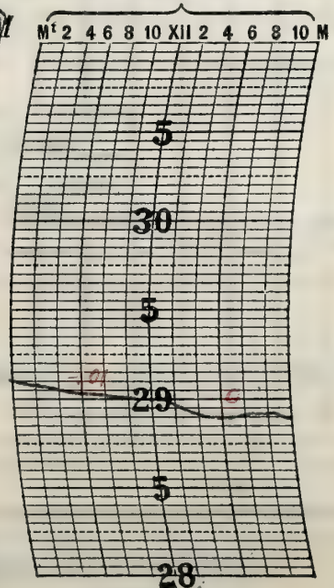
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .55 ins.
Total precipitation, midnight to midnight, 1.92 inches.
Character of day, Cloudy Moon phase, Full 4:33p
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 1.4 Possible sunshine, hours, 14.5
Per cent of possible sunshine, 10
Prevailing wind direction, SE Total wind 107
Average hourly velocity, 4.5 Extreme velocity, 12
Maximum velocity, 12 Direction, SW
Time began, 12:44 p.m.
Reduced barometer, 29.94 7 a. m. 29.81 7 p. m.
River gage, 14 Feet.
Relative humidity, 67 7 a. m. 94 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 74.6 Wet temperature, 66.2
Dew-point, 62 R. humidity, 64 V. pressure, 555
Clouds: Amount, 10; Kind, St Cu; Direction, SW
Velocity of clouds (miles per hour)

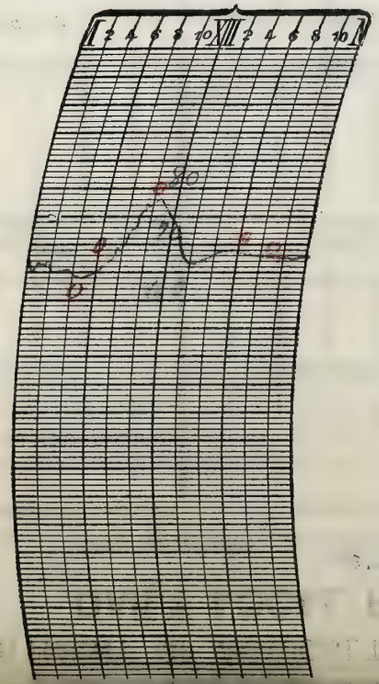
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by CAS

Verified by P. McDonough

## NOTES.

The day was cloudy with moderate temperatures and light rain from the late morning during the remainder of the day.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JUL 28 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 67 | 63 | 62 | 62 | 62 | 63 | 64 AE 6:30 | 65 | 62 | 62 | 20 | 71 | 74 | 72 | 72 | 72 | 72 | 26 | 74 | 68 | 66 | 65 | 64 | 63 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | T | T | .01 | T | T | T | T | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | 2 | | | Cloudy | | | | | × | Pt. Cloudy | | × | Pt. Cloudy | | | | → | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 1.0 | 1.0 | 0.6 | 0.6 | 0.8 | 0 | 0 | | | | |
| Wind direction | SE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | N | N | N | N | N | NW | NW | NW | NW | NW | NW |
| Wind movement | 3 | 6 | 7 | 8 | 9 | 9 | 8 | 8 | 8 | 10 | 6 | 7 | 4 | 6 | 6 | 8 | 8 | 8 | 9 | 10 | 10 | 7 | 7 | 7 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:33 Character, Cloudy
Moonrise: 7:28p Cloudy
Sunset: Time, 7:02 Character, Cloudy
Moonset: 5:12a Cloudy

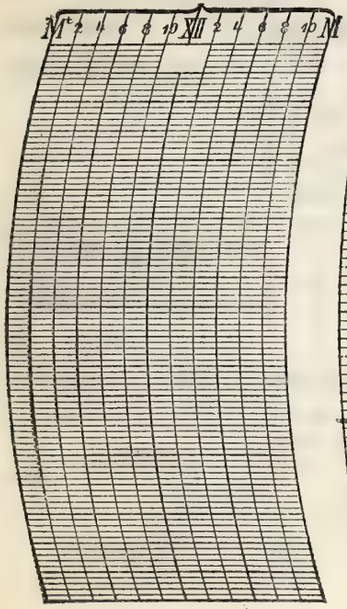
| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 78 | 62 | 70 | |

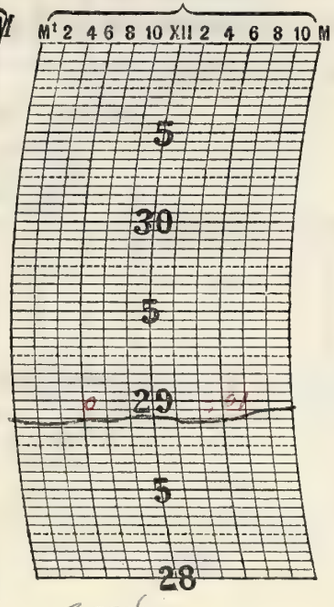
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m. 1.38 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 3.6 Possible sunshine, hours, 14.5
Per cent of possible sunshine, 25
Prevailing wind direction, NE Total wind 179
Average hourly velocity, 7.5 Extreme velocity, 13
Maximum velocity, 13 Direction, NW
Time began, 8:17 p.m.
Reduced barometer, 29.81 7 a. m. 29.80 7 p. m.
River gage, 2.1 Feet
Relative humidity, 92 7 a. m. 64 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 69.5 Wet temperature, 65.6
Dew-point, 64 R. humidity, 81 V. pressure, .525
Clouds: Amount, 10; Kind, Stcu; Direction, NE
Velocity of clouds (miles per hour)

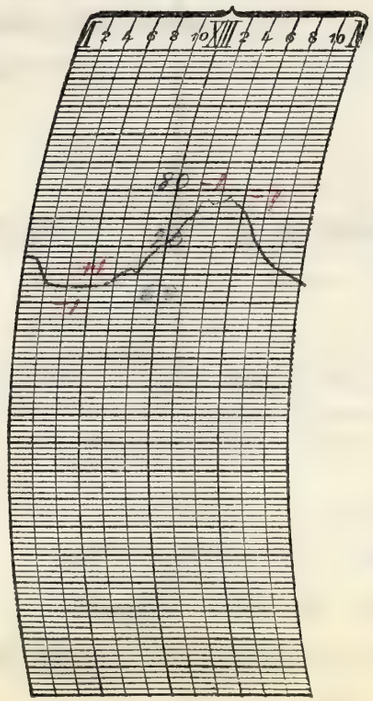
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by CAS
Verified by C. McDonough

8—486

## NOTES.

A cloudy and pleasant day with moderate temperatures

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JUL 29 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 62 | 61 | 60 | 60 | 59 | 60 | 63 | 68 | 73 | 76 | 78 | 79 | 80 | 81 | 82 | 83 | 82 | 81 | 80 | 77 | 75 | 73 | 71 | 70 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← | | | | Clear | | | | | | × Pt. Cloudy | | × Cloudy | | × Pt. Cldy → | | | | | |
| Sunshine (in tenths of hours) | | | | | .43 0 | 1.0 0 | 0.7 0.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0.4 | 0.4 | 0.2 | 0 | 0 | | | | |
| Wind direction | NW | N | NW | NNW | NW | NW | NW | N | NW | NW | NW | NW | NW | W | W | W | NW | N | NW | NW | NW | NW | NW | NW |
| Wind movement | 8 | 6 | 5 | 4 | 4 | 4 | 5 | 4 | 3 | 3 | 4 | 4 | 6 | 4 | 5 | 5 | 3 | 2 | 2 | 2 | 1 | 2 | 1 | 2 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:34 Character, Clear
Moonrise: 8:05 p Cloudy
Sunset: Time, 7:01 Character, Cloudy
Moonset: 6:19 a Clear

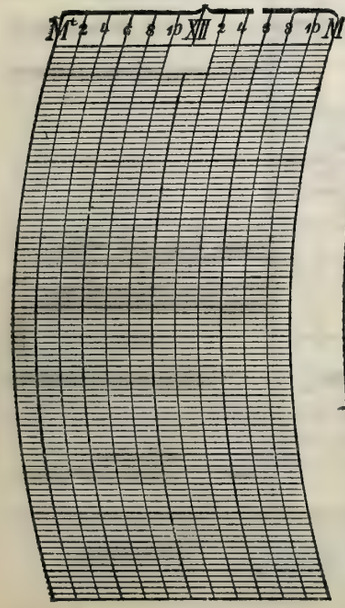
| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 84 | 59 | 72 | |

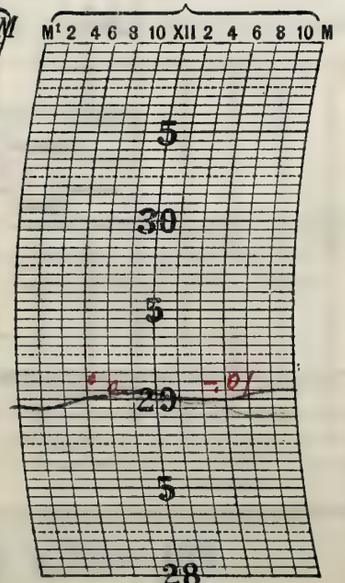
Total depth of snow for 24 hours ending 7 p. m. 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0–10), 3
Actual sunshine, hours, 11.2 Possible sunshine, hours, 14.4
Per cent of possible sunshine, 78
Prevailing wind direction, NW Total wind 59
Average hourly velocity, 3.7 Extreme velocity, 9
Maximum velocity, 9 Direction, NW
Time began, 12:28 a.m.
Reduced barometer, 29.91 7 a. m. 29.91 7 p. m.
River gage, 2.8 Fall
Relative humidity, 86 7 a. m. 45 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 78.0 Wet temperature, 66.0
Dew-point, 59 R. humidity, 53 V. pressure, 499
Clouds: Amount, 2; Kind, Cu.; Direction, NW
Velocity of clouds (miles per hour)

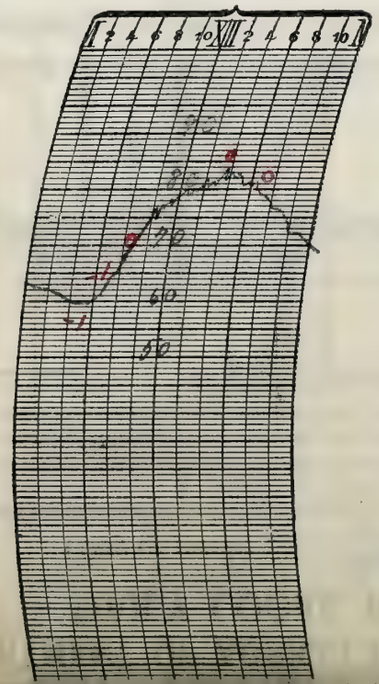
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



NOTES.

Increasing cloudiness from the morning observations. The morning was cool, but the weather was rather warm and humid in the afternoon.

Prepared by
Verified by P. McDermott

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JUL 30 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 69 | 66 | 66 | 66 | 65 | 66 | 67 | 73 | 77 | 80 | 76 | 75 | 82 | 82 | 72 | 75 | 77 | 78 | 76 | 74 | 74 | 72 | 71 | 70 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | RB 11:07 RE 11:35 | | | RB 2:30 RE 2:50 | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | T | | | T | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← | Pt Cloudy | | | → | | Cloudy | | | | Cloudy | | | | | | | | | |

Sunrise: Time, 4:35 Character, Cloudy
Moonrise: 8:32p Cloudy
Sunset: Time, 7:00 Character, Cloudy
Moonset: 2:20a Cloudy

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0.2 | 0.4 | 1.0 | 1.0 | 0.2 | 0 | 0.8 | 0.4 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | NW | NE | NE | NE | NE | NE | NE | NE | SE | E | E | SW | NW | NE | S | NE | NE | NE | NE | N | NE | NE | NE | NE |
| Wind movement | 1 | 5 | 3 | 4 | 3 | 3 | 5 | 4 | 4 | 6 | 6 | 5 | 4 | 4 | 11 | 5 | 2 | 1 | 3 | 4 | 5 | 5 | 5 | 6 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

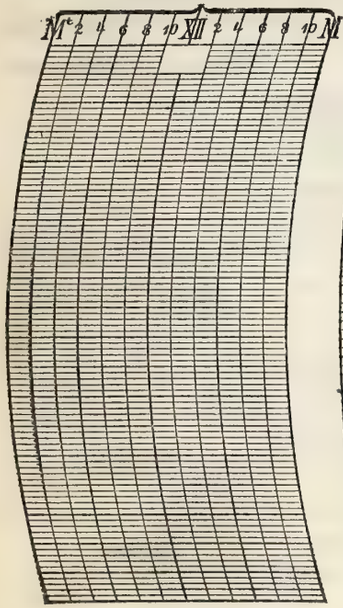
Excessive precipitation, accumulated amounts

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 83 | 65 | 74 | |

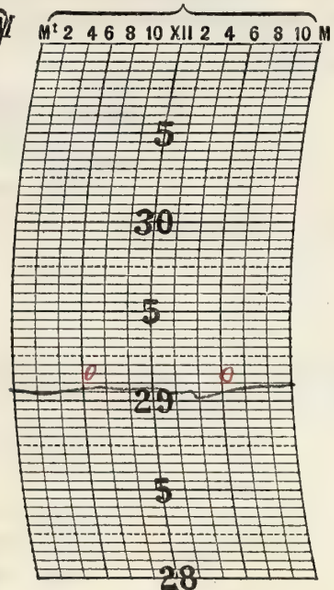
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 1 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 4.0 Possible sunshine, hours, 14.4
Per cent of possible sunshine, 28
Prevailing wind direction, NE Total wind, 104
Average hourly velocity, 4.3 Extreme velocity, 19
Maximum velocity, 17 Direction, S
Time began, 2:07 p.m.
Reduced barometer, 29.98 7 a. m. 29.95 7 p. m.
River gage, 2.4 Feet.
Relative humidity, 85 7 a. m. 63 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 26.4 Wet temperature, 68.8
Dew-point, 65 R. humidity, 69 V. pressure, 61.6
Clouds: Amount, 9; Kind, St Cu; Direction, W
Velocity of clouds (miles per hour)

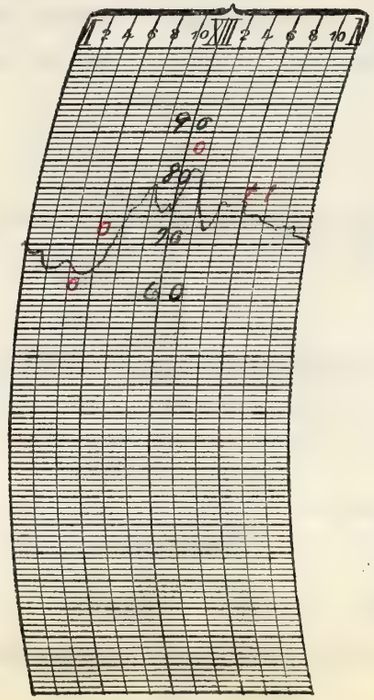
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by C. D. J.
Verified by C. MacDonough

8—486

## NOTES.

A thunderstorm, light in character, and accompanied by light rain, moved from the west beginning at 11:20 a.m. and ending at 11:35 a.m.

A light thunderstorm moving from the west, began at 2:30 p.m. and ended at 2:50 p.m.

A cloudy and moderately warm day with thunderstorms

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JUL 31 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 69 | 68 | 66 | 65 | 64 | 63 | 67 | 70 | 74 | 78 | 80 | 82 | 83 | 84 | 85 | 84 | 84 | 83 | 80 | 77 | 75 | 73 | 71 | 71 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | Clear | | | | | Clear | | | Pt. Cloudy | | Cloudy | | | Pt. Cloudy | | | |
| Sunrise: Time, Character, 4:36 Clear | | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: 9:07p Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, Character, 6:52 Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Moonset: 8:20a Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | .40 0 | 1.0 0 | 0.3 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 0.6 | 0.2 | 0 | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | E | E | NE | E | E | NE | NE | E | E | NE | E | SE | E | E | SE | SE | SE |
| Wind movement | 4 | 3 | 4 | 2 | 2 | 5 | 6 | 8 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 7 | 6 | 4 | 6 | 5 | 5 | 4 | 3 | 3 |
| Maximum velocities (exceeding 12 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

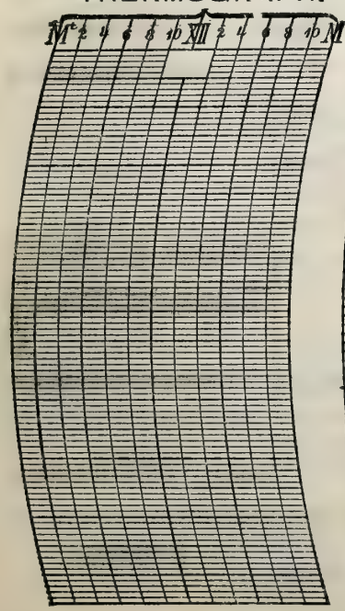
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 85 | 63 | 74 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10) 2
Actual sunshine, hours, 12.1 Possible sunshine, hours, 14.4
Per cent of possible sunshine, 84
Prevailing wind direction, NE Total wind 133
Average hourly velocity, 5.7 Extreme velocity, 12
Maximum velocity, 12 Direction, NE
Time began, 12:56 p.m.
Reduced barometer, 30.01 7 a. m. 29.93 7 p. m.
River gage, 2.1 ft.
Relative humidity, 83 7 a. m. 61 7 p. m.

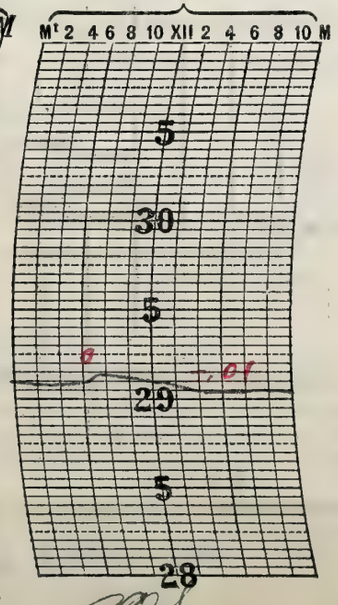
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 82.8 Wet temperature, 68.0
Dew-point, 60 R. humidity, 47 V. pressure, .577
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

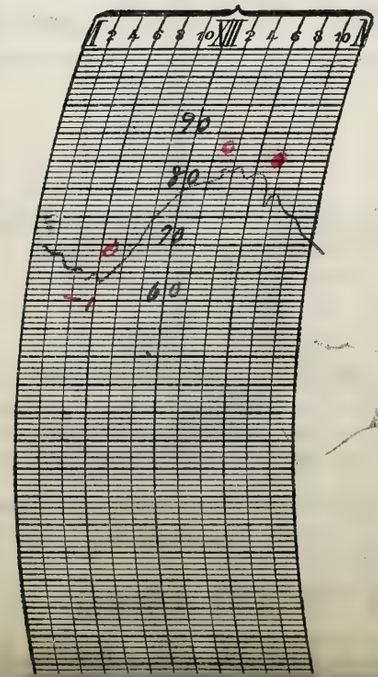
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by CAS

Verified by J. McDonnell

## NOTES.

A clear and rather warm day.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) AUG 1 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 69 | 68 | 68 | 68 | 68 | 68 | 73 | 76 | 80 | 83 | 86 | 87 | 87 | 87 | 88 | 87 | 86 | 85 | 84 | 81 | 79 | 78 | 78 | 78 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← Clear | | | | | | | | × Cldy × | | | | | Cloudy → | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0 | 0 | | | | | |
| Wind direction | SE | SE | SE | SE | SE | SE | SE | SE | S | SW | SW | SW | SW | S | S | S | S | S | S | S | S | S | S | S |
| Wind movement | 2 | 2 | 3 | 3 | 3 | 4 | 3 | 4 | 6 | 6 | 6 | 6 | 6 | 7 | 5 | 6 | 6 | 5 | 5 | 5 | 5 | 4 | 3 | 3 |
| Maximum velocities (exceeding 27 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time 4:32 Character Clear
Moonrise: 9:32p Cloudy
Sunset: Time 6:57 Character Cloudy
Moonset: 9:19a Cloudy

.38 1.0 0.4

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

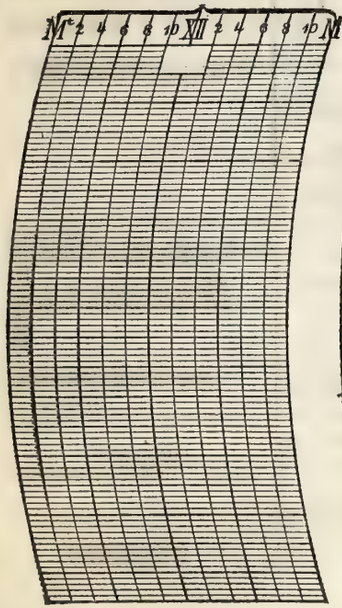
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 88 | 67 | 78 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 12.2 Possible sunshine, hours, 14.3
Per cent of possible sunshine, 85
Prevailing wind direction, S Total wind 108
Average hourly velocity, 4.5 Extreme velocity, 9
Maximum velocity, 9 Direction, SW
Time began, 9:23 p. m.
Reduced barometer, 29.91 7 a. m. 29.89 7 p. m.
River gage, 1.9 Fall
Relative humidity, 78 7 a. m. 56 7 p. m.

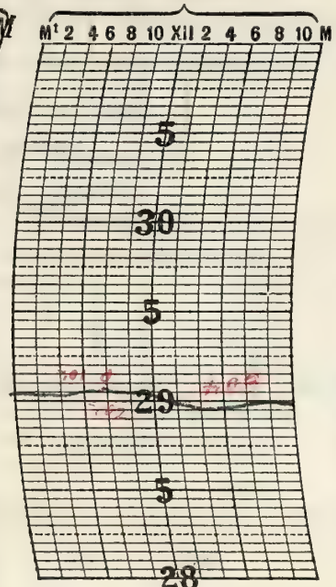
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 86.0 Wet temperature, 71.0
Dew-point, 64 R. humidity, 48 V. pressure, .595
Clouds: Amount, 3; Kind, Cu; Direction, E
Velocity of clouds (miles per hour)

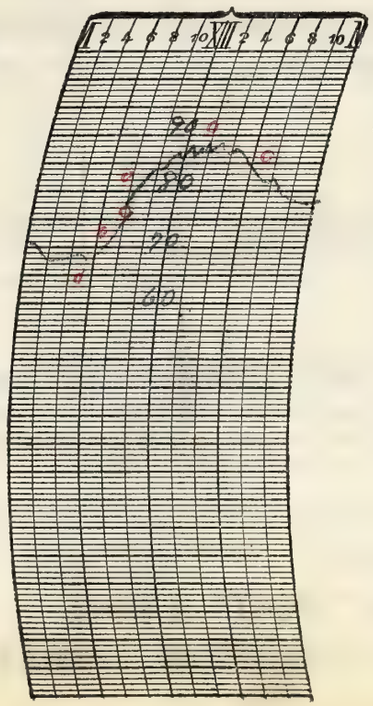
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by
Verified by P. McDonough

8—486

## NOTES.

Heavy deposit of dew on ground this morning
A frosty Thursday and rather warm day

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) AUG -2 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 77 | 76 | 75 | 73 | 72 | 72 | 73 | 73 | 76 | 79 | 80 | 81 | 83 | 82 | 81 | 81 | 81 | 81 | 80 | 79 | 78 | 77 | 76 | 75 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | RB 3:30 | | | RE 6:38 | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | T | .16 | .04 | .03 | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← | | | | | | | | | | | | | | | | | | | → |
| | | | | | Cloudy | | | | | | | | | | | | Cloudy | | | | | | | |
| Sunrise: Time, Character, | 4:38 Cloudy | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: | 10:01 a Cloudy | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, Character, | | | | | | | | | | | | | | | | | | | | | 6:56 Cloudy | | | |
| Moonset: | | | | | | | | | | | | | | | | | | | | | 10:16 a Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0 | 0.6 | 1.0 | 0.8 | 1.0 | 0.6 | 0.6 | 0.2 | 0 | 0 | 0 | | | | | |
| Wind direction | S | S | S | S | SW | SW | SW | NW | NW | SW | SW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW |
| Wind movement | 5 | 5 | 4 | 7 | 9 | 9 | 3 | 4 | 3 | 4 | 5 | 6 | 6 | 7 | 7 | 7 | 7 | 4 | 3 | 2 | 2 | 2 | 2 | 3 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

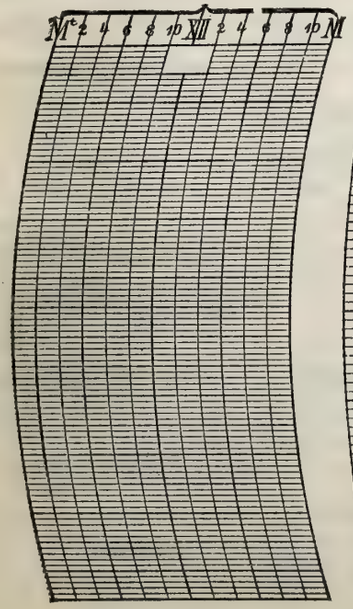
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 83 | 71 | 77 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .23 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .23 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 4.8 Possible sunshine, hours, 14.3
Per cent of possible sunshine, 34
Prevailing wind direction, NW Total wind 116
Average hourly velocity, 4.8 Extreme velocity, 18
Maximum velocity, 17 Direction, SW
Time began, 4:05 a.m.,
Reduced barometer, 29.88 7 a. m. 29.92 7 p. m.
River gage, 2.0 Feet.
Relative humidity, 82 7 a. m. 72 7 p. m.

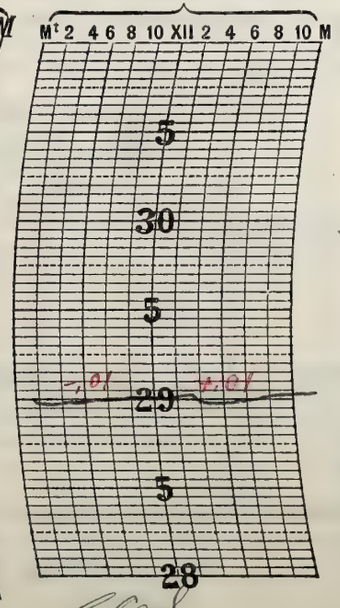
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 81.5 Wet temperature, 71.0
Dew-point, 66 R. humidity, 60 V. pressure, .638
Clouds: Amount, 9; Kind, St; Direction, VV
Velocity of clouds (miles per hour)

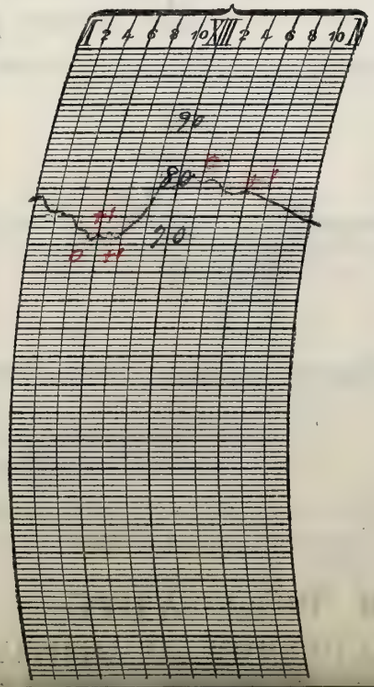
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by CLS

Verified by J. McKenzie

## NOTES.

A thunderstorm, moving from the northwest, light at first and accompanied by light rain began at 3:24 a.m., and ended at 5:10 a.m.

A cloudy, warm and somewhat sultry day.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) AUG -3 1923, 192

Time (local standard). 90 mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 74 | 73 | 72 | 71 | 71 | 70 | 70 | 72 | 74 | 77 | 80 | 81 | 82 | 80 | 78 | 76 | 78 | 72 | 72 | 72 | 71 | 72 | 71 | 71 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | RB 4:41 | | | RE 7:12 | | | | | | | RB 2:44 | RE 3:45 | RB 4:20 | | | | RE 8:43 | | | |
| Amounts of precipitation | | | | | .43 | .37 | .08 | .01 | | | | | | | .01 | T | T | .04 | .05 | T | .01 | | | |
| Cloudiness and other conditions | | | | | ← Cloudy | | | | | | | | | | Cloudy → | | | | | | | | | |
| Sunrise: Time, Character, 4:39 Cloudy. Moonrise: 10:36 p | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 6:53 Cloudy. Moonset: 11:11 Pa Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0.5 | 0.6 | 0.4 | 1.0 | 1.0 | 1.0 | 0.4 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | NW | N | E | E | E | E | E | SE | SE | E | S | SE | E | E | E | E | S | S | S | S | S | S | SE | SE |
| Wind movement | 2 | 6 | 7 | 6 | 4 | 4 | 4 | 3 | 4 | 4 | 5 | 5 | 7 | 7 | 8 | 6 | 10 | 5 | 6 | 3 | 5 | 3 | 4 | 2 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 82 | 70 | 76 | |

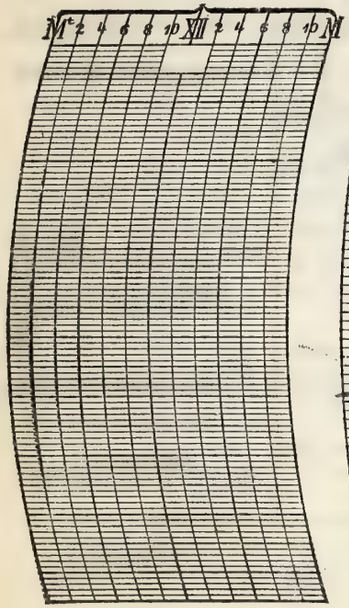
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .89 ins.; to 7 p. m., .10 ins.
Total precipitation, midnight to midnight, 1.00 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 4.9 Possible sunshine, hours, 14.3
Per cent of possible sunshine, 34
Prevailing wind direction, E Total wind 120
Average hourly velocity, 5.0 Extreme velocity, 15
Maximum velocity, 14 Direction, S
Time began, 4:30 p.m.
Reduced barometer, 29.27 7 a. m. 29.21 7 p. m.
River gage, 2.2 Foot
Relative humidity, 100 7 a. m. 93 7 p. m.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | 4:41 a | 7:12 a | 0.89 | 4:46 a | 5:00 a | .01 | .13 | .32 | .42 | | | | | | | | | | | |

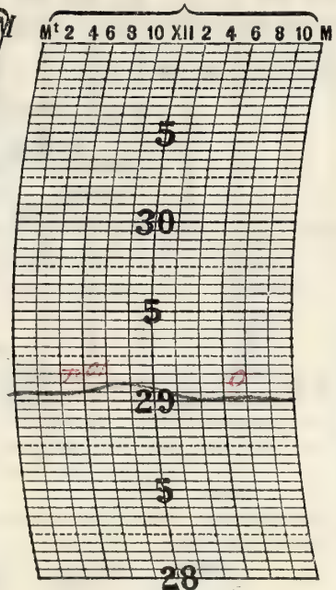
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 81.3 Wet temperature, 72.0
Dew-point, 68 R. humidity, 64 V. pressure, .684
Clouds: Amount, 8; Kind, St Cu; Direction, SW
Velocity of clouds (miles per hour)

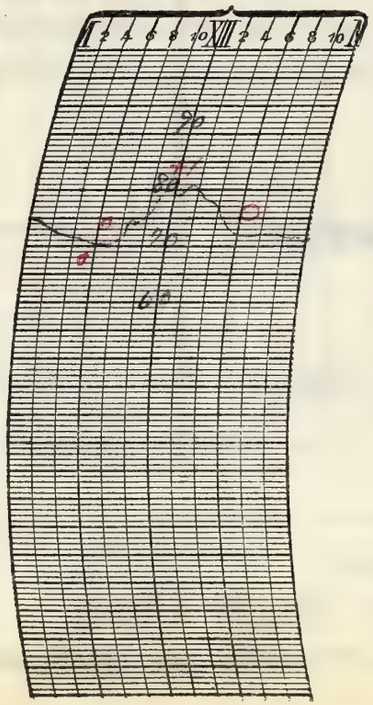
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by C. M. Donough
Verified by

8—486

## NOTES.

A light thunderstorm moving from the west began at 4:35 a.m., and ended at 7:12 a.m.

A thunderstorm moving from the west began at 2:38 p.m. and ended at 3:30 p.m. It was light in character and accompanied by light precipitation.

A cloudy warm somewhat sultry day with occasional showers.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) AUG 4 1923, 192

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 71 | 70 | 70 | 70 | 69 | 71 | 73 RB 6:30 RE 6:36 | 74 | 76 | 78 | 79 | 82 | 83 | 84 | 85 | 85 | 86 | 84 | 82 | 78 | 76 | 71 RB 9:40 | 72 | 72 RE 11:36 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | .01 | | | | | | | | | | | | | | | .04 | .97 | T |
| Cloudiness and other conditions | | | | | | | | Cloudy | | | | | | | | Partly Cloudy | | | Clear | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0.5 | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.4 | 0 | | | | | |
| Wind direction | SE | SE | SE | SE | SE | SE | SE | SW | SW | NW | NW | W | W | W | W | W | NW | W | W | W | E | E | NE | SE |
| Wind movement | 3 | 4 | 4 | 2 | 1 | 1 | 3 | 5 | 4 | 4 | 3 | 6 | 6 | 7 | 8 | 10 | 6 | 3 | 3 | 3 | 3 | 4 | 6 | 5 |
| Maximum velocities (exceeding 22 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time 4:40 Character Cloudy
Moonrise: 11:07 P
Sunset: Time 6:37 Character Clouds
Moonset: 12:09 P Cloudy

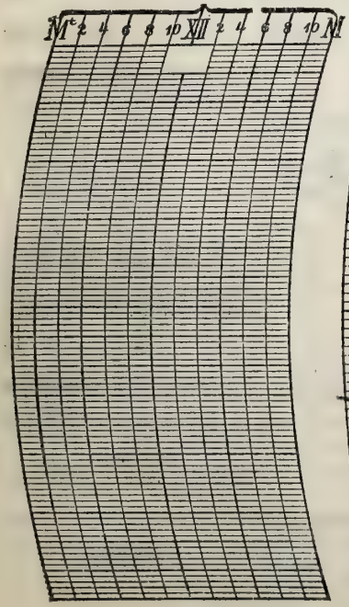
| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 9:40 P | 11:36 P | 1.01 | 9:59 P | 10:22 P | T | .23 | .52 | .77 | .97 | 1.00 | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 86 | 69 | 78 | |

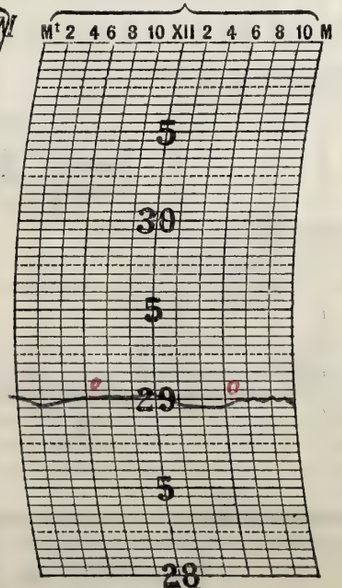
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .03 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 1.02 inches.
Character of day, Pt. Cloudy Moon phase, 1st Qtr
Average daily cloudiness (0–10), 7
Actual sunshine, hours, 8.7 Possible sunshine, hours, 14.2
Per cent of possible sunshine, 61
Prevailing wind direction, SE & W Total wind, 101
Average hourly velocity, 4.2 Extreme velocity, 23
Maximum velocity, 17 Direction, SW
Time began, 10:02 a m
Reduced barometer, 29.91 7 a. m. 29.87 7 p. m.
River gage, 1.75 ft.
Relative humidity, 93 7 a. m. 72 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 84.0 Wet temperature, 74.5
Dew-point, 72 R. humidity, 74 V. pressure, 783
Clouds: Amount, 9; Kind, Nim.; Direction, SW
Velocity of clouds (miles per hour)

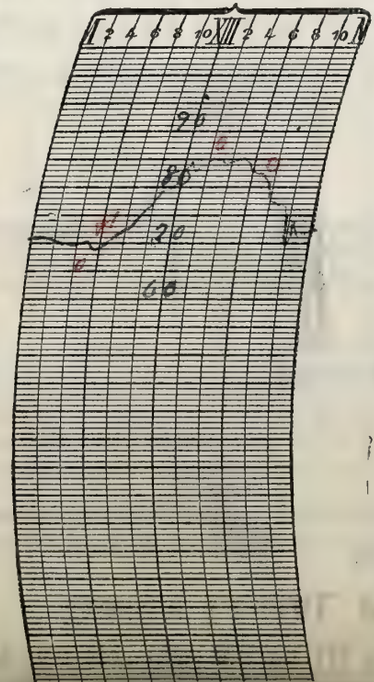
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by C. A. S.
Verified by P. McDonough

## NOTES.

A thunderstorm of moderate intensity, accompanied by heavy precipitation began at 9:38 p. m. and ended at 11:25 p. m. The storm moved from the northwest and the rain was so heavy that the mountain streams were flooded from curb to curb in some places.

A fourthy cloudy and moderately warm day.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) AUG 5 1923, 192

Time (local standard). 90 mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 73 | 72 | 71 | 71 | 68 | 66 | 66 | 68 | 70 | 72 | 72 | 74 | 74 | 76 | 77 | 79 | 79 | 78 | 77 | 75 | 74 | 73 | 73 | 72 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← | | | Cloudy | | | | | × | | M Cloudy | | | | × | Clear | → | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0.1 | 1.0 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.3 | 0 | | | | | |
| Wind direction | W | NE | NE | E | NE | NE | NE | NE | NE | NE | NE | NE | NE | E | E | E | E | NE | NE | E | E | E | E | E |
| Wind movement | 4 | 3 | 6 | 8 | 10 | 11 | 10 | 9 | 8 | 8 | 8 | 9 | 9 | 7 | 7 | 7 | 6 | 6 | 3 | 4 | 4 | 7 | 5 | 4 |
| Maximum velocities (exceeding 12 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:41 Character, Cloudy
Moonrise: 11:43 P

Sunset: Time, 6:53 Character, Cloudy
Moonset: 1:05 M Cloudy

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

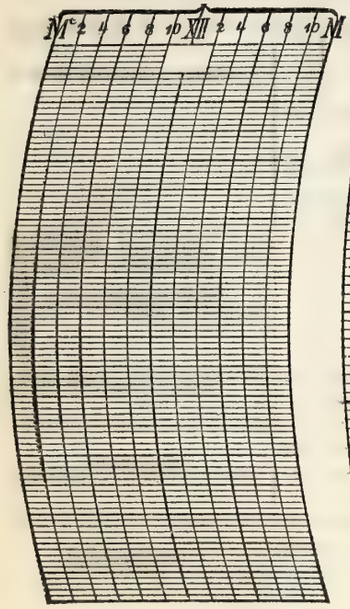
Excessive precipitation, accumulated amounts

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 79 | 66 | 72 | |

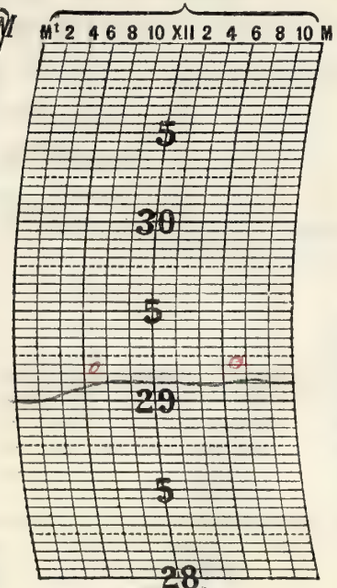
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .00 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, M Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 9.3 Possible sunshine, hours, 14.7
Per cent of possible sunshine, 65
Prevailing wind direction, NE Total wind, 163
Average hourly velocity, 6.8 Extreme velocity, 14
Maximum velocity, 13 Direction, NE
Time began, 6:06 a.m.
Reduced barometer, 29.49 7 a. m. 29.91 7 p. m.
River gage, 2.8 Fee F
Relative humidity, 71 7 a. m. 63 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 74.0 Wet temperature, 64.0
Dew-point, 58 R. humidity, 65 V. pressure, .442
Clouds: Amount, 9; Kind, St Cu; Direction, E
Velocity of clouds (miles per hour)

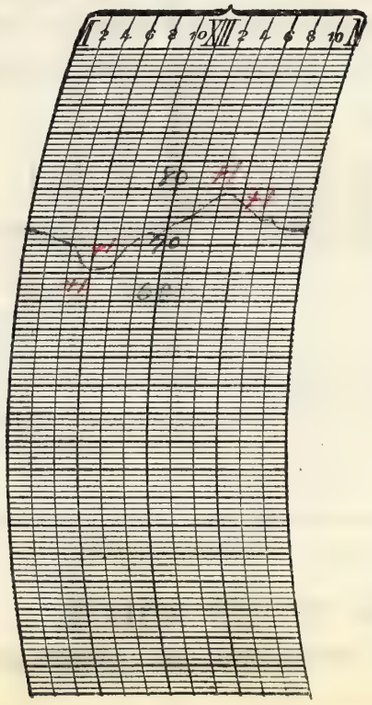
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by EAB
Verified by C McDonough

8—486

## NOTES.

Fine thunderstorm to the
E the center the rain comparatively
and today were pretty cloudy
with thunder & lightning

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Monday, (Date) AUG 6 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 71 | 70 | 69 | 69 | 68 | 69 | 72 | 75 | 77 | 80 | 80 | 80 | 80 | 80 | 79 | 83 | 82 | 81 | 80 | 76 | 76 | 75 | 74 | 73 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | 8:15 8:28 8:35 8:50 | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | .14 | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← | | | Cloudy | | | × | | Cloudy | | | × 14 days × | | | Cloudy | | | → | | |

Sunrise: Time, 4:41 Character, Clear. Moonrise: ——

Sunset: Time, 6:44 Character, Cloudy. Moonset: 2:00 P Cloudy

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0.3 | 0.3 | 0.9 | 0.7 | 0.8 | 0.2 | 0 | 0.2 | 0 | 0.2 | 0.1 | 0 | | | | | |
| Wind direction | E | E | E | E | E | E | E | SE | S | S | SW | SW | SW | SW | NW | W | SW | SW | SW | SW | SW | SW | SW | SW |
| Wind movement | 3 | 3 | 4 | 6 | 5 | 7 | 4 | 4 | 5 | 8 | 15 | 15 | 14 | 10 | 8 | 5 | 7 | 8 | 9 | 8 | 8 | 9 | 8 | 7 |
| Maximum velocities (exceeding 20 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

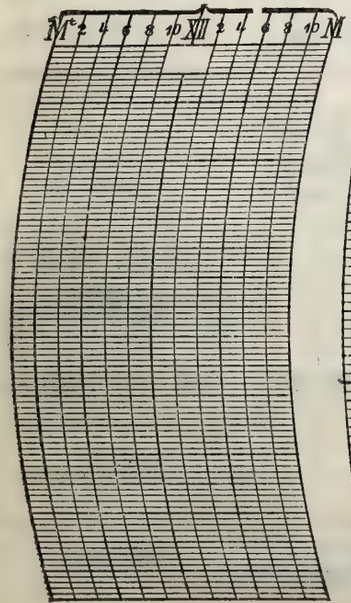
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 83 | 68 | 76 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .24 ins.
Total precipitation, midnight to midnight, .24 inches.
Character of day, Cloudy Moon phase, ——
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 4.2 Possible sunshine, hours, 14.2
Per cent of possible sunshine, 30
Prevailing wind direction, SW Total wind, 180
Average hourly velocity, 7.5 Extreme velocity, 22
Maximum velocity, 21 Direction, SW
Time began, 12:14 p.m.
Reduced barometer, 30.0[illegible] 7 a. m. 29.95 7 p. m.
River gage, 2.2 Fee[illegible]
Relative humidity, 76 7 a. m. 25 7 p. m.

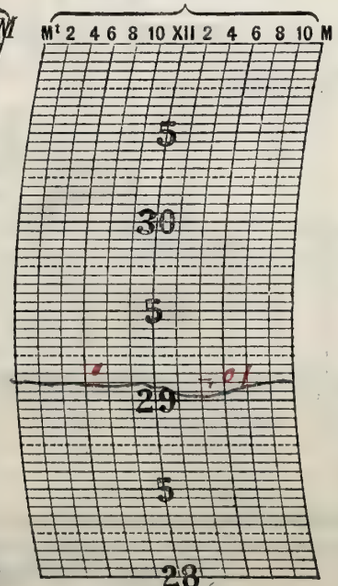
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 80.7 Wet temperature, 73.8
Dew-point, 71 R. humidity, 77 V. pressure, 29.7
Clouds: Amount, 6; Kind, Cu; Direction, SW.
Velocity of clouds (miles per hour)

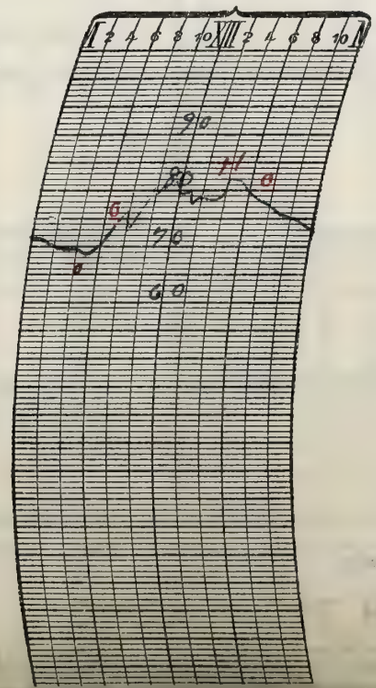
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by [signature]

Verified by P. McDonough

NOTES.

A cloudy day, moderately warm.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) AUG - 7 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 73 | 73 | 72 | 72 | 71 | 72 | 73 | 81 | 84 | 86 | 87 | 88 | 88 | 87 | 89 RB 2:52 | 88 RE 3:11 | 86 | 85 | 84 | 77 | 76 RB 8:02 | 72 RE 9:10 | 72 | 72 RB 12 AM |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | T | T | | | | | .02 | T | | .01 |
| Cloudiness and other conditions | | | | | ← | | Clear | | | | | → | ← | Pt. Cloudy | | | → | Cloudy | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0 | 0.8 | 0.6 | 0 | 0 | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | W | SW | SW | W | W | NW | SW | SW | SW | SW | SW | N | N | E | E | N |
| Wind movement | 7 | 6 | 5 | 4 | 3 | 7 | 6 | 4 | 3 | 7 | 7 | 8 | 8 | 7 | 6 | 5 | 2 | 6 | 6 | 5 | 1 | 6 | 4 | 4 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:43 Character, Clear
Moonrise: 12:22a
Sunset: Time, 6:57 Character, Cloudy
Moonset: 2:56p Cloudy

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | .28 | 1.0 | 0.4 | | | | | | | | | | | | | | | |

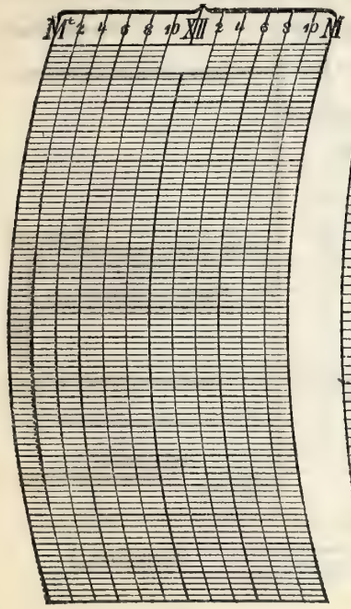
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 89 | 71 | 80 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .03 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 10.5 Possible sunshine, hours, 14.1
Per cent of possible sunshine, 74
Prevailing wind direction, SW Total wind 130
Average hourly velocity, 5.4 Extreme velocity, 12
Maximum velocity, 12 Direction, NE
Time began, 5:02 p.m.
Reduced barometer, 30.05 7 a. m. 29.98 7 p. m.
River gage, 1.9 Feet.
Relative humidity, 93 7 a. m. 93 7 p. m.

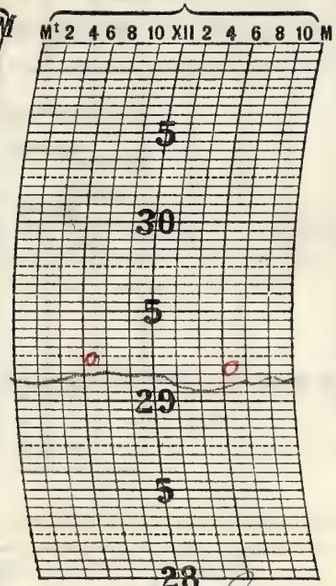
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 86.4 Wet temperature, 75.0
Dew-point, 71 R. humidity, 69 V. pressure, 25.2
Clouds: Amount, 6; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

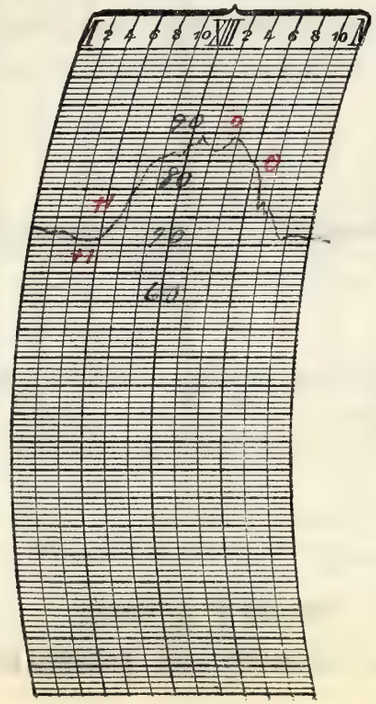
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



NOTES.

Heavy dew spent of men
& travelers on ground this
morning
A Partly cloudy and
rather warm day.

Prepared by
Verified by C. McDonough

8—486

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) AUG - 2 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 71 | 71 | 70 | 70 | 70 | 68 | 66 | 66 | 67 | 68 | 70 | 72 | 73 | 74 | 75 | 75 | 75 | 74 | 74 | 71 | 69 | 67 | 66 | 65 |
| State of weather. Nature of precipitation and time of beginning and ending | RE DRK | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | 10 | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← | | Cloudy | | | | | | | | Cloudy | | | * | Pt. Cloudy | | | | | |
| Sunrise: Time, Character, 4:44 Cloudy. Moonrise: 1:05a | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 6:49 Cloudy. Moonset: 3:49p Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 1.0 | 1.0 | 1.0 | 0.2 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | N | N | NE | NE | E | NE | NE | NE | E | E | NE | NE | NE | NE | NE | NE | E | NE | NE | NE | E | E | E | E |
| Wind movement | 4 | 5 | 5 | 6 | 8 | 13 | 11 | 10 | 8 | 9 | 9 | 10 | 10 | 12 | 10 | 8 | 7 | 6 | 5 | 4 | 6 | 6 | 9 | 8 |
| Maximum velocities (exceeding 20 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

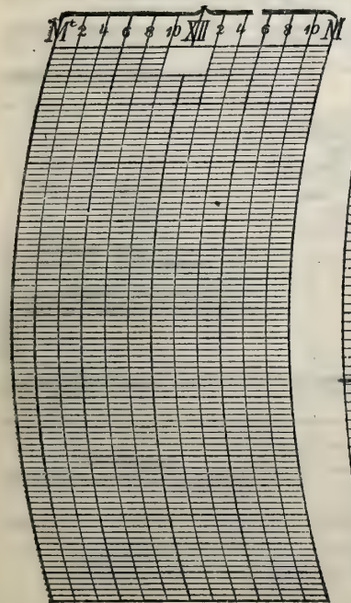
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 75 | 65 | 70 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .04 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 9
Actual sunshine, hours, 3.5 Possible sunshine, hours, 14.1
Per cent of possible sunshine, 25
Prevailing wind direction, NE Total wind 189
Average hourly velocity, 7.9 Extreme velocity, 18
Maximum velocity, 12 Direction, NE
Time began, 5:49 p.m.
Reduced barometer, 30.09 7 a. m. 30.09 7 p. m.
River gage, 1.8 Feet
Relative humidity, 84 7 a. m. 69 7 p. m.

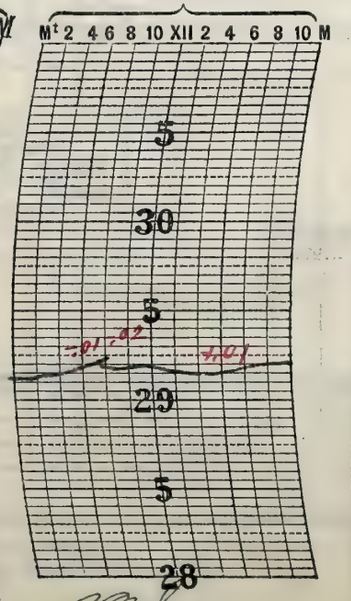
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 71.8 Wet temperature, 66.0
Dew-point, 63 R. humidity, 74 V. pressure, .575
Clouds: Amount, 1; Kind, Cu.; Direction, NW
Velocity of clouds (miles per hour)

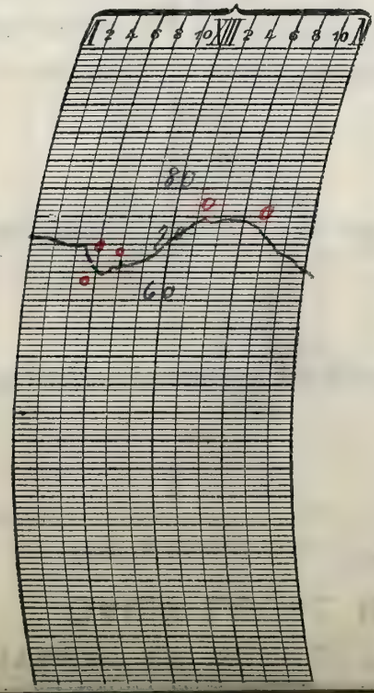
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by

Verified by P. McDonough

NOTES.

A cloudy and cool pleasant day

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) AUG - 9 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 63 | 61 | 59 | 59 | 59 | 61 | 64 | 70 | 71 | 73 | 75 | 77 | 79 | 80 | 82 | 81 | 80 | 79 | 79 | 73 | 71 | 69 | 67 | 66 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← Pt. Cloudy | | | | | | | | | × | Clear | | | | | | | | | → |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.4 | 0 | | | | | |
| Wind direction | E | NE | NE | NE | NE | NE | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E |
| Wind movement | 9 | 7 | 8 | 8 | 6 | 8 | 7 | 8 | 8 | 9 | 7 | 8 | 7 | 6 | 5 | 6 | 5 | 3 | 2 | 3 | 5 | 6 | 7 | 4 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time 4:44 Character Cloudy
Moonrise: 11:55a —
Sunset: Time 6:48 Character Cloudy
Moonset: 4:40p Cloudy

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | |

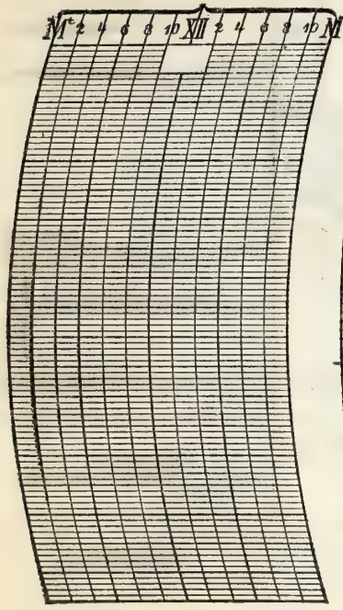
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 82 | 59 | 70 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 11.0 Possible sunshine, hours, 14.1
Per cent of possible sunshine, 78
Prevailing wind direction, E Total wind, 152
Average hourly velocity, 6.3 Extreme velocity, 13
Maximum velocity, 13 Direction, E
Time began, 9:11 a.m.
Reduced barometer, 30.15 7 a. m. 30.05 7 p. m.
River gage, 2.0 Fect.
Relative humidity, 80 7 a. m. 47 7 p. m.

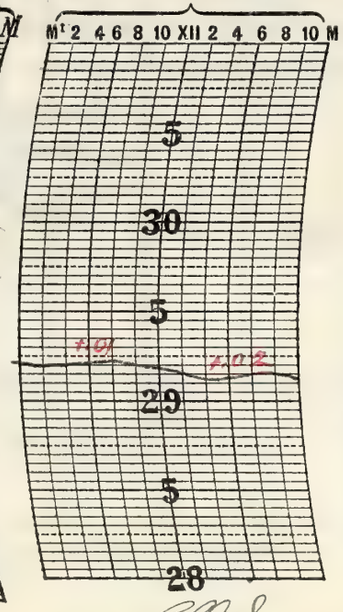
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 76.0 Wet temperature, 62.0
Dew-point, 53 R. humidity, 45 V. pressure, 402
Clouds: Amount, 6; Kind, ACu; Direction, NW
Velocity of clouds (miles per hour)

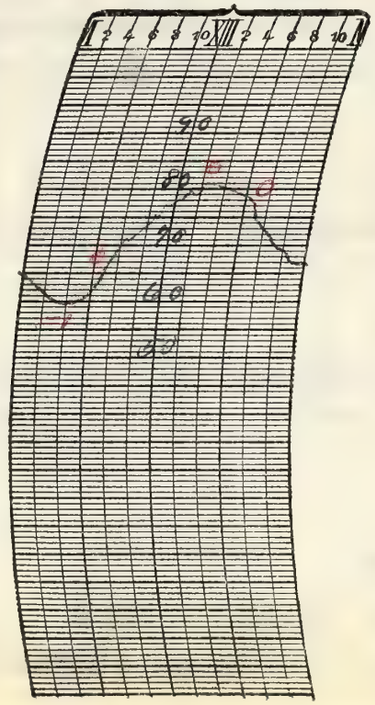
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



NOTES.

A partly cloudy and warm day

Prepared by C.M.S.
Verified by C. M. Saunders

8—486

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) AUG 10 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 63 | 64 | 64 | 63 | 62 | 65 | 69 | 77 | 80 | 82 | 83 | 84 | 84 | 85 | 84 | 84 | 83 | 82 | 81 | 78 | 77 | 76 | 75 | 75 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← Clear — | | | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.6 | 0.5 | 0.1 | 0 | | | | | |
| Wind direction | NE | NE | NE | N | N | N | N | NE | NE | NE | NE | NE | NE | NE | N | N | N | SW | SW | SW | SW | SW | SW | SW |
| Wind movement | 4 | 4 | 4 | 4 | 5 | 4 | 3 | 3 | 3 | 4 | 6 | 5 | 6 | 5 | 4 | 4 | 1 | 4 | 4 | 3 | 3 | 1 | 1 | 3 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:45 Character, Clear
Moonrise: 2:50a

Sunset: Time, 6:47 Character, Cloudy
Moonset: 5:22p Cloudy

| Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

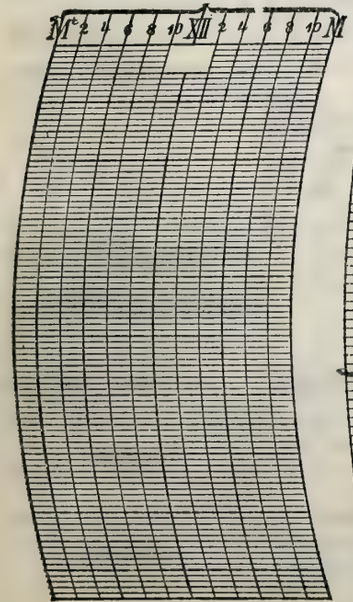
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 85 | 62 | 74 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, P.C. Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 11.4 Possible sunshine, hours, 13.0
Per cent of possible sunshine, 81
Prevailing wind direction, NE Total wind 88
Average hourly velocity, 3.7 Extreme velocity, 7
Maximum velocity, 7 Direction, NE
Time began, 12:35 p.m.
Reduced barometer, 30.07 7 a. m. 30.02 7 p. m.
River gage, 1.5 Foot
Relative humidity, 64 7 a. m. 61 7 p. m.

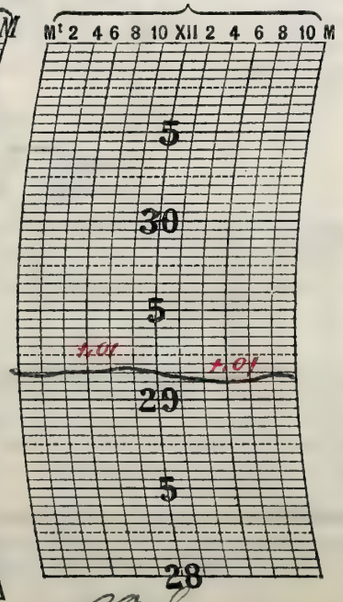
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature 83.6 Wet temperature, 67.6
Dew-point, 59 R. humidity, 44 V. pressure, 499
Clouds: Amount, 8; Kind C.St.; Direction, NW
Velocity of clouds (miles per hour)

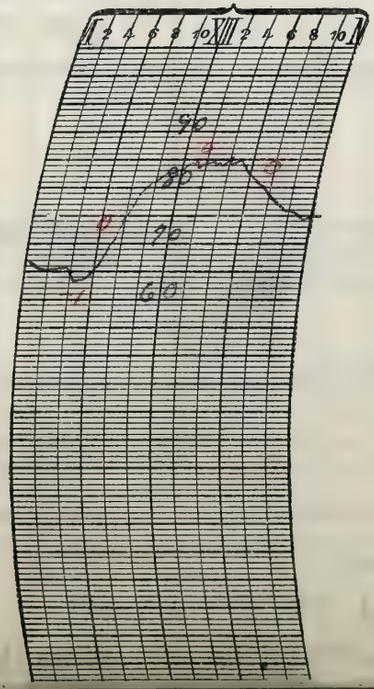
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by C.E.S.
Verified by P. McDonough

NOTES.

A faint solar halo of 22° radius was observed from 10:18 a.m. until about 12:50 p.m., a partly cloudy and rather warm day.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) AUG 11 1923, 192

Time (local standard), 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 74 | 74 | 72 | 71 | 71 | 71 | 70 | 71 | 74 | 75 | 77 | 80 | 83 | 86 | 87 | 82 | 84 | 81 | 80 | 79 | 78 | 79 | 80 | 79 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | RB 4:00 | | | RE 7:38 | | | | | | | | | RB 4:29 RE 4:32 | | | | | | | RB 11:18 |
| Amounts of precipitation | | | | | T | .01 | .03 | .04 | | | | | | | | | T | | | | | | | .01 |
| Cloudiness and other conditions | ← Cloudy → | | | | | | | | | | | | × | Ph Cloudy | | | | | | | × | Cloudy → | | |
| Sunrise: Time, 4:47 Character, Cloudy. Moonrise: 3:51a | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 6:45 Character, Cloudy. Moonset: 6:11p Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0.2 | 1.0 | 0.2 | 0.8 | 1.0 | 1.0 | 1.0 | 0.5 | 0.3 | 0.6 | 0 | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | W | W | S | S | SW | SW | SW | SW | SW | SW | SW | SW | S | S | S | S | SW | SW |
| Wind movement | 1 | 1 | 2 | 4 | 4 | 1 | 2 | 4 | 5 | 12 | 11 | 10 | 7 | 9 | 10 | 6 | 8 | 6 | 6 | 8 | 8 | 10 | 12 | 9 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

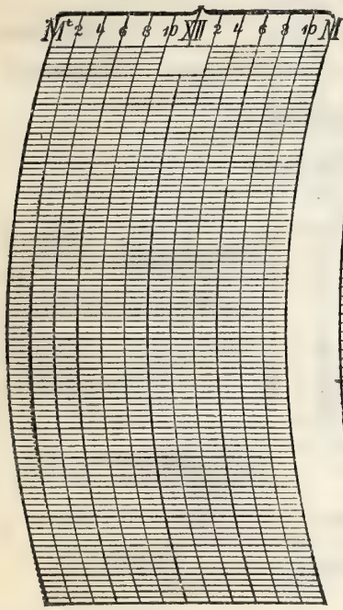
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 87 | 69 | 78 | - |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .03 ins.; to 7 p. m., .05 ins.
Total precipitation, midnight to midnight, .09 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 6.6 Possible sunshine, hours, 14.0
Per cent of possible sunshine, 47
Prevailing wind direction, SW Total wind 166
Average hourly velocity, 6.5 Extreme velocity, 12
Maximum velocity, 16 Direction, SW
Time began, 4:18 p.m.
Reduced barometer, 30.07 7 a. m. 29.91 7 p. m.
River gage, 1.6 Feet.
Relative humidity, 83 7 a. m. 28 7 p. m.

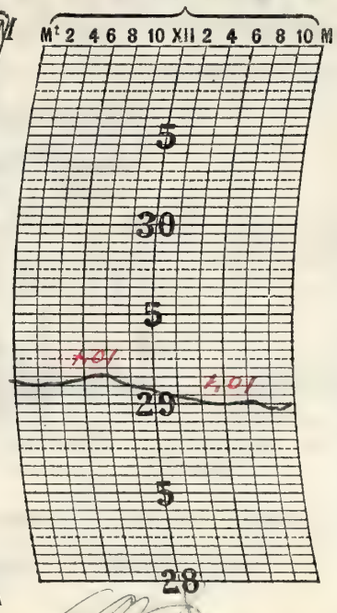
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 76.8 Wet temperature, 70.8
Dew-point, 68 R. humidity, 75 V. pressure, 684
Clouds: Amount, 9; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

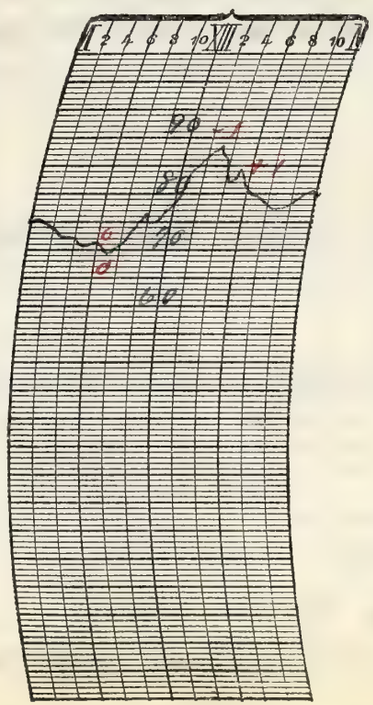
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by

Verified by P. M. Dunwright

8—486

## NOTES.

A light thunderstorm from the west began at 4:07 p. m., and ended at 4:32 p. m.

A cloudy and hot sticky day.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) AUG 12 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 77 | 75 | 73 | 69 | 69 | 70 | 72 | 78 | 80 | 80 | 80 | 80 | 80 | 81 | 82 | 81 | 78 | 77 | 75 | 72 | 71 | 70 | 68 | 66 |
| State of weather. Nature of precipitation and time of beginning and ending | | RF 1.07 | | RB 3:30 | RE 4:29 | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | 0.7 | I | | .52 | I | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | ← | | | | | | Pt. Cloudy | | | x Cloudy | | | x | Pt. Cloudy | x | — | | Clear | | | | | | → |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0 | | | | | |
| Wind direction | W | W | NW | NW | NW | SW | SW | W | WW | W | W | NW | W | NW | NW | NW | NW | NW | NW | NW | W | W | NW | NW |
| Wind movement | 13 | 8 | 3 | 10 | 5 | 5 | 6 | 7 | 9 | 12 | 10 | 12 | 14 | 15 | 16 | 17 | 18 | 15 | 7 | 4 | 5 | 5 | 7 | 3 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:48 Character, Cloudy
Moonrise: 4:57a Cloudy
Sunset: Time, 6:44 Character, Clear
Moonset: 6:52p Clear

.73

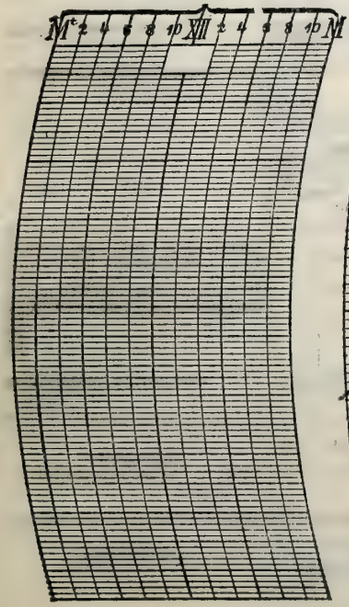
| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts 3:30a | 4:24a | .52 .60 | 3:33a | 3:50a | T | .21 | .38 | .46 | .50 | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 82 | 66 | 74 | |

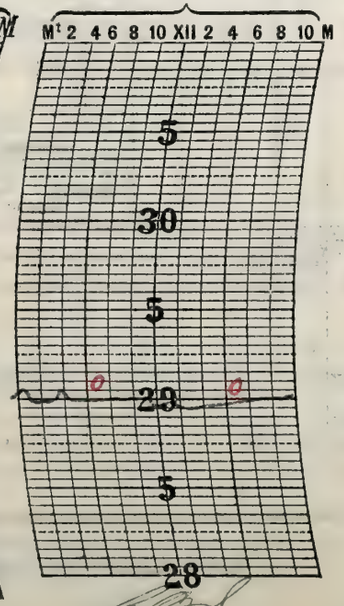
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .60 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .59 inches.
Character of day, Pt. Cloudy Moon phase, New 5:12a
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 11.9 Possible sunshine, hours, 13.9
Per cent of possible sunshine, 86
Prevailing wind direction, NW Total wind, 228
Average hourly velocity, 9.5 Extreme velocity, 22
Maximum velocity, 26 Direction, NW
Time began, 3:40a.m.
Reduced barometer, 29.89 7 a. m. 29.88 7 p. m.
River gage, 1.7 Feet
Relative humidity, 96 7 a. m. 61 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 80.2 Wet temperature, 71.2
Dew-point, 62 R. humidity, 64 V. pressure, .661
Clouds: Amount, 10; Kind, Ast; Direction, NW
Velocity of clouds (miles per hour)

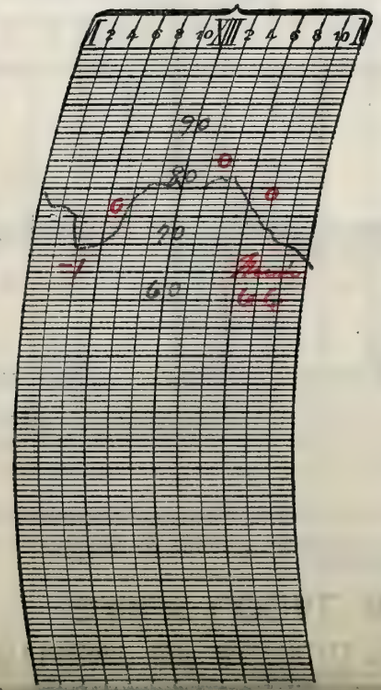
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by

Verified by P. McDonough

## NOTES.

A thunderstorm of moderate severe intensity began at 3:15 a.m. and ended at 4:29 a.m. It moved from the northwest and was accompanied by a moderately heavy fall of rain. At time the thunder and lightning were very severe, not serious damage as a result was reported.

A frosty cloudy day with moderately high temperature and a fair breeze.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) AUG 13 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 65 | 63 | 62 | 60 | 60 | 62 | 63 | 64 | 66 | 68 | 70 | 72 | 72 | 74 | 75 | 74 | 72 | 72 | 72 | 68 | 67 | 66 | 64 | 64 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | Clear | | Ph Cldy | | Clear | | | | Ph Cloudy | | | | Clear | | | | | | | |
| | Sunrise: Time, 4:49 Character, Clear. Moonrise: 6:03a Clear | | | | | | | | | | | | | | | | | | | | Sunset: Time, 6:43 Character, Clear. Moonset: 7:30p Clear | | | |
| Sunshine (in tenths of hours) | | | | | .18 0 | 0.7 0.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.4 0.6 | .72 0 | | | | | |
| Wind direction | NW | NW | N | N | N | N | N | N | N | N | N | N | NW | N | NW | NW | NW | NW | NW | W | NW | O | NW | SW |
| Wind movement | 8 | 7 | 6 | 5 | 3 | 4 | 5 | 7 | 8 | 9 | 8 | 6 | 6 | 8 | 7 | 6 | 5 | 5 | 3 | 1 | 1 | 0 | 2 | 4 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

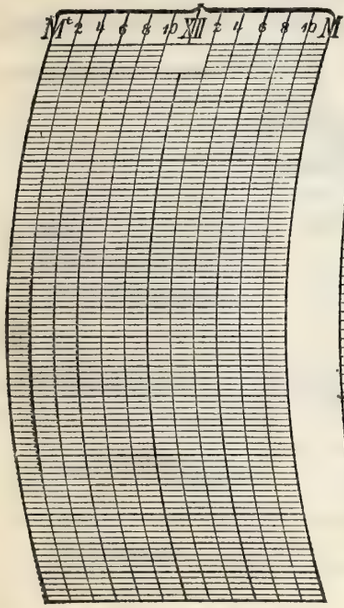
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 75 | 60 | 68 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Ph Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 13.9 Possible sunshine, hours, 13.9
Per cent of possible sunshine, 100
Prevailing wind direction, N Total wind 125
Average hourly velocity, 5.2 Extreme velocity, 12
Maximum velocity, 12 Direction, N W
Time began, 9:22 p.m.
Reduced barometer, 30.00 7 a. m. 29.93 7 p. m.
River gage, 1.2 Feet.
Relative humidity, 71 7 a. m. 71 7 p. m.

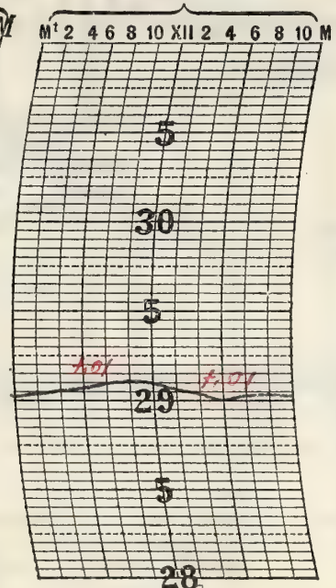
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 70.0 Wet temperature, 62.0
Dew-point 52 R. humidity, 64 V. pressure, 465
Clouds: Amount, 4; Kind Cu.; Direction, NW
Velocity of clouds (miles per hour)

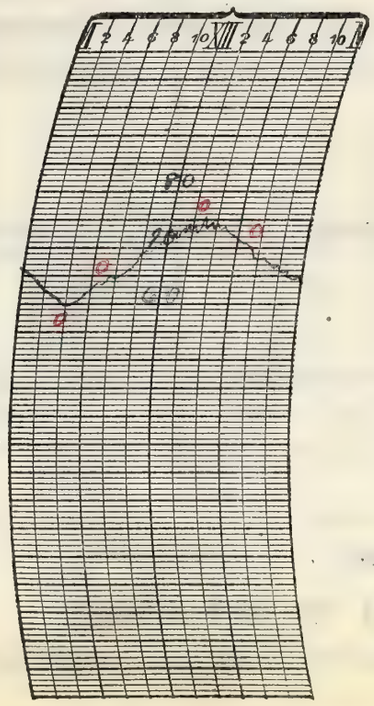
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by CDS

Verified by C. M. Hathorn

8—486

NOTES.

A heavy deposit of dew was found on the ground at the morning observations.

A partly cloudy and cool and very pleasant day.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) AUG 14 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 62 | 61 | 60 | 60 | 60 | 63 | 65 | 74 | 78 | 81 | 83 | 84 | 84 | 85 | 86 | 84 | 82 | 81 | 78 | 77 | 71 | 70 | 70 | 69 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← | | | Clear | | | | | | * Pt. Cloudy * | | | | | Clear | | | | | → |
| Sunrise: Time, Character, | 4:50a Clear | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: | 9:12a Clear | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, Character, | | | | | | | | | | | | | | | | | | | | | 6:41 Clear | | | |
| Moonset: | | | | | | | | | | | | | | | | | | | | | 8:07p Clear | | | |
| Sunshine (in tenths of hours) | | | | | .17 0 | 1.0 0 | 0.2 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.3 | 0.5 | 0.7 0.3 | 1.68 0 | | | | | |
| Wind direction | S | S | S | S | S | SW | SW | SW | SW | SW | SW | SW | W | W | W | NW | NW | W | NW | NW | NW | W | W | NW |
| Wind movement | 6 | 9 | 9 | 9 | 11 | 9 | 9 | 12 | 15 | 14 | 15 | 14 | 13 | 13 | 13 | 11 | 8 | 7 | 10 | 6 | 5 | 5 | 5 | 7 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| | Total duration. | | Total amount of precipitation. | Excessive rate. | | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | From— | To— | | Began— | Ended— | | 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | |

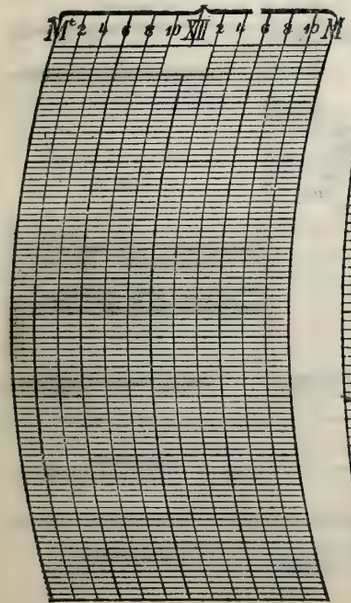
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 86 | 60 | 73 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0–10), 2
Actual sunshine, hours, 12.6 Possible sunshine, hours, 13.8
Per cent of possible sunshine, 91
Prevailing wind direction, SW. Total wind 235
Average hourly velocity, 9.8 Extreme velocity, 18
Maximum velocity, 18 Direction, W
Time began, 12:36 p.m.
Reduced barometer, 29.89 7 a. m. 29.84 7 p. m.
River gage, 1.5 Feet
Relative humidity, 75 7 a. m. 53 7 p. m.

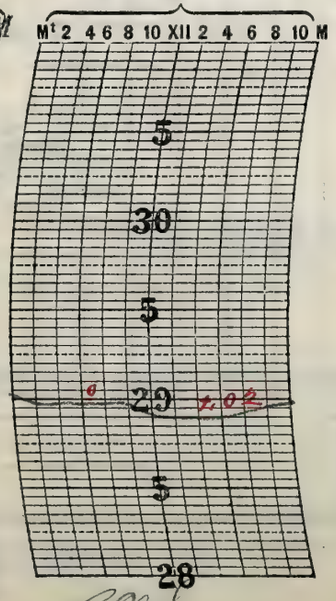
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 82.6 Wet temperature, 68.8
Dew-point, 62 R. humidity, 50 V. pressure, .555
Clouds: Amount, 3; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

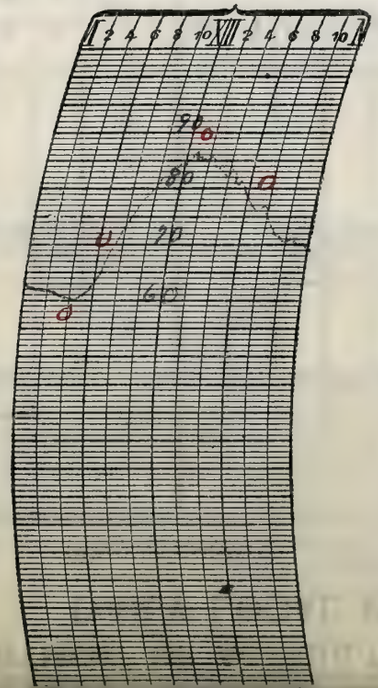
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by CCS

Verified by P. McDonough

NOTES.

A clear cool, and very pleasant and invigorating day,

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) AUG 15 1923, 192

Time (local standard) 90th mer. normal time.

| State of weather. | A. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 67 | 66 | 65 | 63 | 61 | 63 | 66 | 69 | 70 | 72 | 74 | 75 | 76 | 77 | 78 | 77 | 76 | 75 | 72 | 68 | 66 | 66 | 65 | 64 |
| Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← | | | Clear | | | | | × | Pt. Cldy | × | | | Clear | | | | | | → |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 0 | | | | | |
| Wind direction | N | NE | NE | NE | NE | N | NE | NE | N | N | N | NW | N | NW | N | N | N | NW | NW | NW | NW | NE | NE | E |
| Wind movement | 8 | 6 | 6 | 5 | 5 | 6 | 7 | 5 | 7 | 7 | 8 | 10 | 11 | 11 | 11 | 10 | 9 | 8 | 7 | 5 | 5 | 5 | 4 | 5 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time 4:51, Character Clear
Moonrise: 8:22a Clear
Sunset: Time 6:40, Character Cloudy
Moonset: 8:49p Cloudy

.10 0.9

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

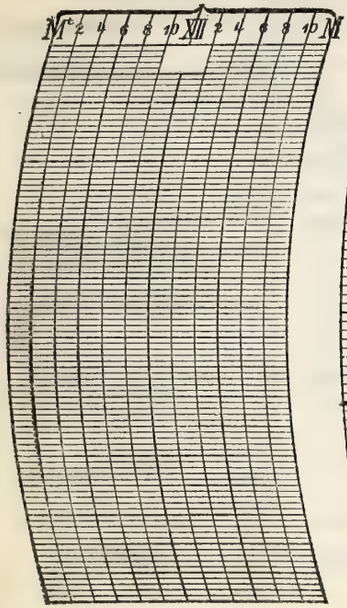
Excessive precipitation, accumulated amounts

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 78 | 61 | 70 | ✓ |

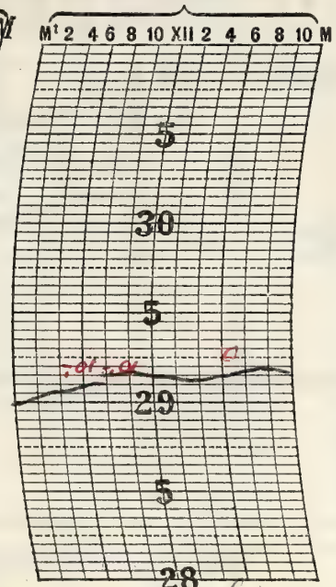
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 13.0 Possible sunshine, hours, 13.8
Per cent of possible sunshine, 94
Prevailing wind direction, N. Total wind 171
Average hourly velocity, 7.1 Extreme velocity, 15
Maximum velocity, 13 Direction, NNW
Time began, 3:14 p. m.
Reduced barometer, 30.03 7 a. m. 30.02 7 p. m.
River gage, 2.4 Feet
Relative humidity, 64 7 a. m. 48 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 76.0 Wet temperature, 60.6
Dew-point, 50 R. humidity, 40 V. pressure, 36.0
Clouds: Amount, 4; Kind, Cu St; Direction, NW
Velocity of clouds (miles per hour)

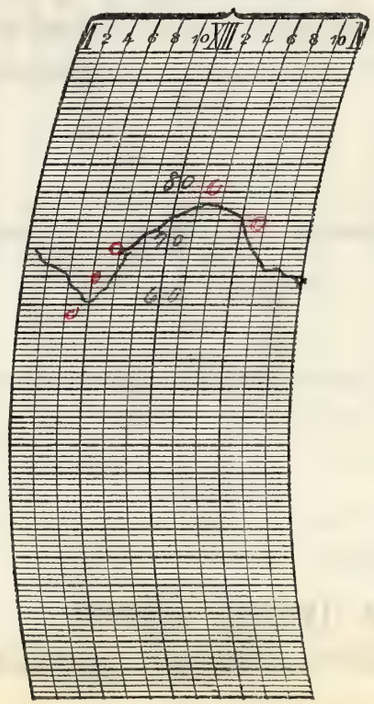
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



NOTES.

A clear and very pleasant day with moderate temperature

Prepared by
Verified by P M Donnegh

8—486

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Thursday, (Date) AUG 16 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 62 | 61 | 61 | 61 | 60 | 60 | 62 | 64 | 65 | 66 | 67 | 68 | 69 | 68 | 67 | 67 | 67 | 67 | 66 | 66 | 65 | 64 | 64 | 64 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | R13 12:45 RE 12:50 | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | T | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← | | | Cloudy | | | | | | | | Cloudy | | | | | | | | → |
| Sunrise: Time, Character, 4:02 Cloudy. Moonrise: 9:32a Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 6:39 Cloudy. Moonset: 9:18p Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0.3 | 0.2 | 0.4 | 0.7 | 0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | NE | NE | E | E | E | E | E | E | E | SE | SE | SE | SE | SE | SE | SE | SE | S | NE | SE | NE | NE | NE | NE |
| Wind movement | 6 | 7 | 6 | 8 | 7 | 8 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 6 | 2 | 2 | 3 | 1 | 3 | 2 | 2 | 2 | 3 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

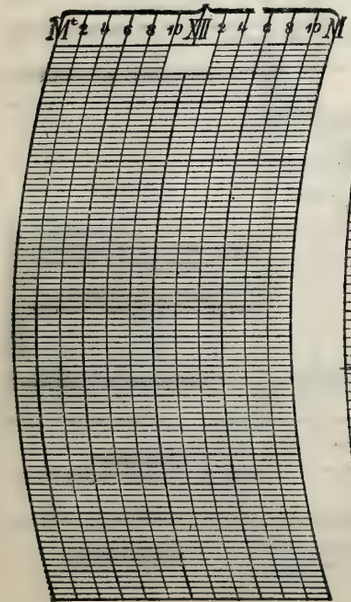
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 69 | 60 | 64 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0.7 Possible sunshine, hours, 13.8
Per cent of possible sunshine, 12
Prevailing wind direction, SE Total wind 118
Average hourly velocity, 4.9 Extreme velocity, 11
Maximum velocity, 11 Direction, E
Time began, 5:17 a.m.
Reduced barometer, 30.12 7 a. m. 30.12 7 p. m.
River gage, 2.8 Feet
Relative humidity, 25 7 a. m. 30 7 p. m.

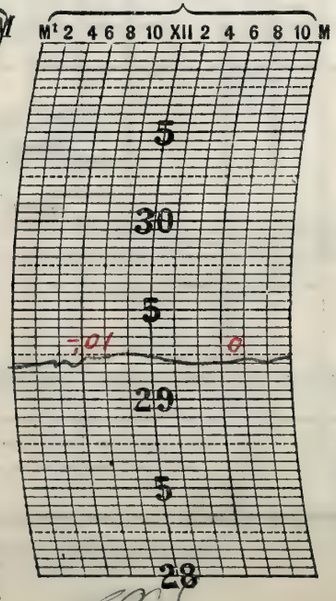
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 68.0 Wet temperature, 59.0
Dew-point, 53 R. humidity, 59 V. pressure, 402
Clouds: Amount, 9; Kind, ST; Direction, W
Velocity of clouds (miles per hour)

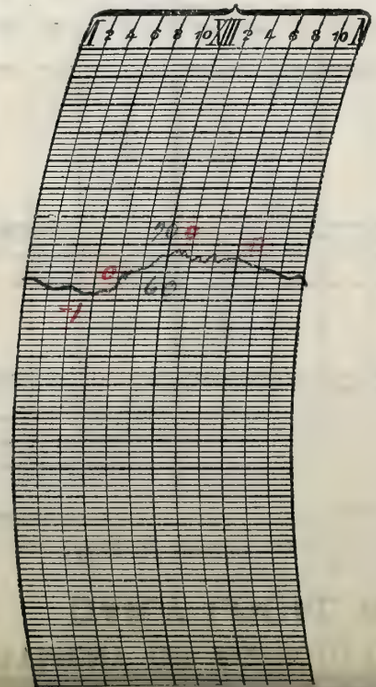
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by
Verified by J. M. O'Donough

NOTES.

A Cloudy day with moderate temperature.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) AUG 17 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 63 | 63 | 63 | 62 | 61 | 60 | 62 | 66 | 68 | 71 | 73 | 74 | 76 | 77 | 77 | 76 | 77 | 76 | 74 | 71 | 70 | 68 | 65 | 65 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | 4 | Clear | → | Cldy | × | | | | Clear | → | | | Clear | → | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.6 | 0 | | | | | |
| Wind direction | NE | NE | NE | NE | E | E | E | E | E | NE | E | E | E | NE | NE | NE | NE | NE | NE | NE | N | N | NE | N |
| Wind movement | 3 | 4 | 5 | 7 | 5 | 5 | 7 | 6 | 8 | 7 | 7 | 6 | 5 | 6 | 7 | 7 | 8 | 6 | 5 | 4 | 4 | 2 | 2 | 3 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:03 Character, Cloudy
Moonrise: 10:41a Cloudy
Sunset: Time, 6:37 Character, Clear
Moonset: 9:56p Clear

0.4 -62

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 mfn. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

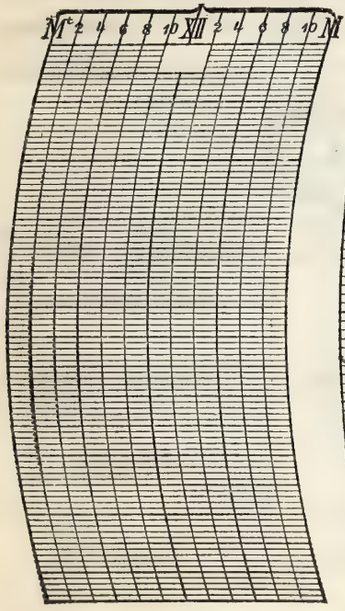
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 78 | 60 | 69 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 12.1 Possible sunshine, hours, 13.7
Per cent of possible sunshine, 88
Prevailing wind direction, NE Total wind 129
Average hourly velocity, 5.4 Extreme velocity, 12
Maximum velocity, 12 Direction, NE
Time began, 2:05 p.m.
Reduced barometer, 30.13 7 a. m. 30.05 7 p. m.
River gage, 2.6 Feet.
Relative humidity, 69 7 a. m. 39 7 p. m.

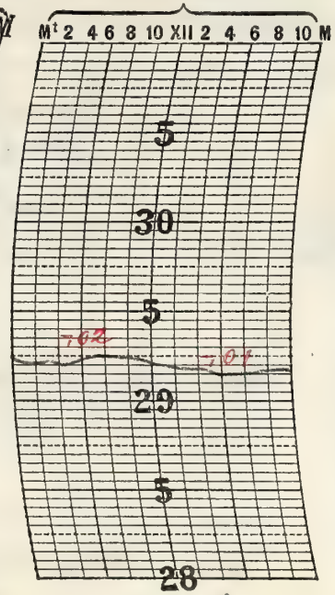
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 74.6 Wet temperature, 56.2
Dew-point, 40 R. humidity, 30 V. pressure, 247
Clouds: Amount, 2; Kind, Cu.; Direction, NW.
Velocity of clouds (miles per hour)

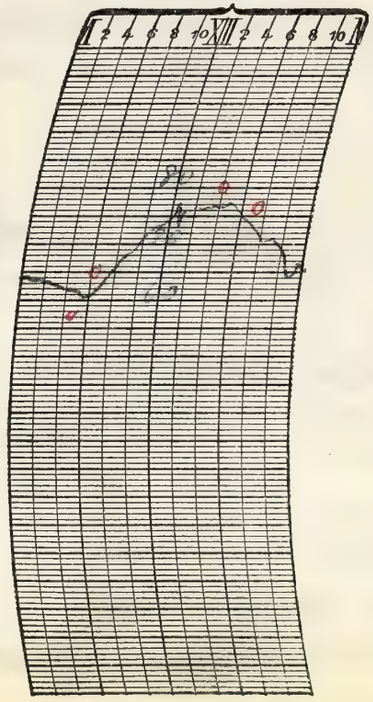
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by C.O.S.
Verified by J. McE. Bonney

8—486

## NOTES.

A clear and pleasant day with moderate temperature

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) AUG 18 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 63 | 61 | 61 | 61 | 59 | 59 | 69 | 71 | 74 | 76 | 79 | 79 | 81 | 80 | 82 | 81 | 81 | 78 | 76 | 73 | 71 | 69 | 68 | 67 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← | | | Clear | | | | → | ← | | | Clear | | | | → | | | | |
| Sunrise: Time, Character, 4:54 Clear | | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: 11:50 a Clear | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, Character, 6:36 Clear | | | | | | | | | | | | | | | | | | | | | | | | |
| Moonset: 10:37 p Clear | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.4 | 0 | | | | | |
| Wind direction | N | N | N | N | N | N | NW | NW | NW | NW | SW | SW | SW | SW | W | W | W | W | SW | SW | SW | SW | SW | SW |
| Wind movement | 2 | 4 | 3 | 1 | 1 | 2 | 2 | 3 | 5 | 6 | 8 | 8 | 9 | 10 | 9 | 10 | 9 | 6 | 6 | 8 | 9 | 9 | 10 | 11 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

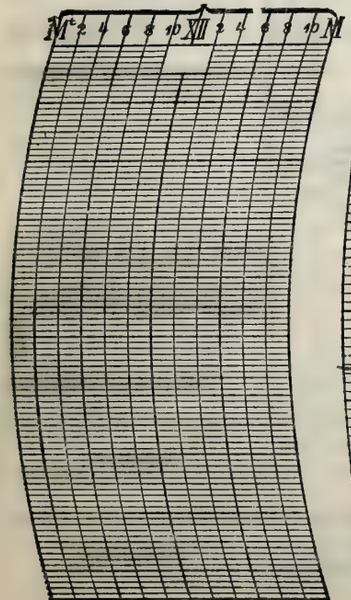
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 82 | 58 | 70 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0–10), Few
Actual sunshine, hours, 13.7 Possible sunshine, hours, 13.7
Per cent of possible sunshine, 100
Prevailing wind direction, SW Total wind 151
Average hourly velocity, 63 Extreme velocity, 12
Maximum velocity, 12 Direction, SW
Time began, 3:30 PM
Reduced barometer, 30.09 a. m. 29.94 p. m.
River gage, 2.2 Fast.
Relative humidity, 64 a. m. 55 p. m.

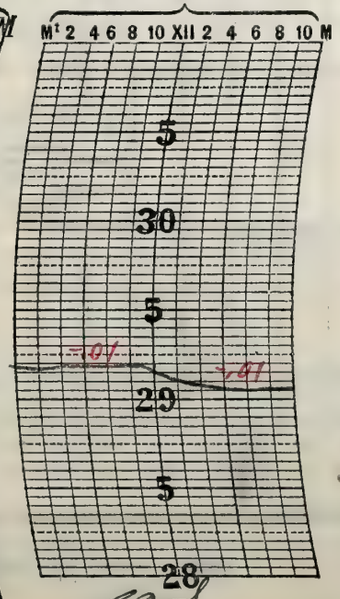
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 79.0 Wet temperature, 63.0
Dew-point, 53 R. humidity, 41 V. pressure, .402
Clouds: Amount, Few; Kind, Cu; Direction, N
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.

Prepared by
Verified by P. MacDonough

NOTES.

Cool in the early morning, but weather warmed materially after the a.m. observation, becoming pleasantly cool at night. Except that there were a few scurrying clouds in the afternoon, the day and night were almost cloudless, with faint moonlight from an increasing moon.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) AUG 19 1923, 192

Time (local standard), 90 mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 65 | 64 | 64 | 64 | 63 | 63 | 66 | 69 | 72 | 76 | 78 | 79 | 80 | 81 | 79 | 79 | 78 | 76 | 73 | 68 | 66 | 63 | 61 | 59 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | L Pt Cloudy | | | | Clear | | | X Clear | | X Pt Cldy | | | Clear | | | | | | |
| Sunrise: Time, Character, 4:55 Cloudy. Moonrise: 12:57p Clear | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 6:34 Clear. Moonset: 11:22p | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 01 | 06 | 10 | 10 | 10 | 10 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0 | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | W | NW | NW | N | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW |
| Wind movement | 11 | 11 | 6 | 7 | 10 | 8 | 6 | 8 | 9 | 9 | 9 | 10 | 11 | 12 | 12 | 11 | 13 | 10 | 8 | 9 | 10 | 8 | 6 | 6 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

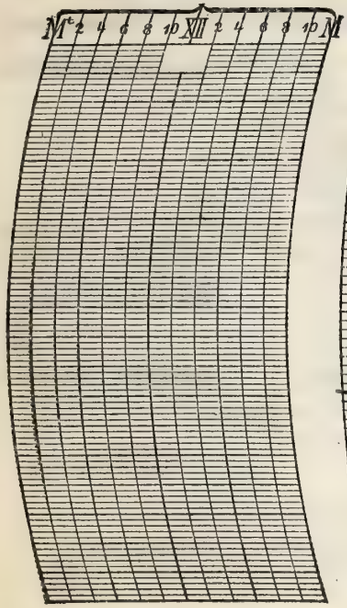
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 81 | 59 | 70 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear. Moon phase, F.Q. 12:02 a
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 11.3 Possible sunshine, hours, 11.6
Per cent of possible sunshine, 83
Prevailing wind direction, NW. Total wind 220
Average hourly velocity, 9.2 Extreme velocity, 16
Maximum velocity, 15 Direction, NW.
Time began, 2:23 p. m.
Reduced barometer, 29.96 7 a. m. 29.98 7 p. m.
River gage, 19 feet
Relative humidity, 78 7 a. m. 46 7 p. m.

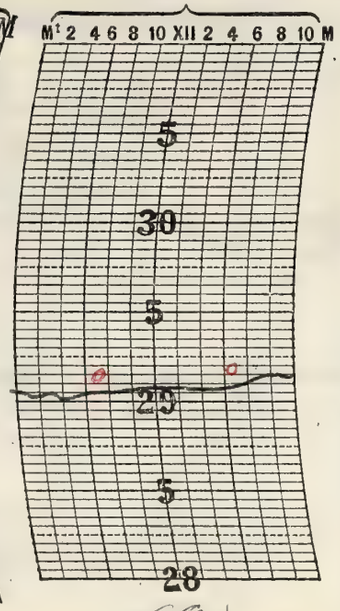
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 79.5 Wet temperature, 65.0
Dew-point, 56 R. humidity, 46 V. pressure, .448
Clouds: Amount, 1; Kind, a. cu. cu.; Direction, NW. NW.
Velocity of clouds (miles per hour)

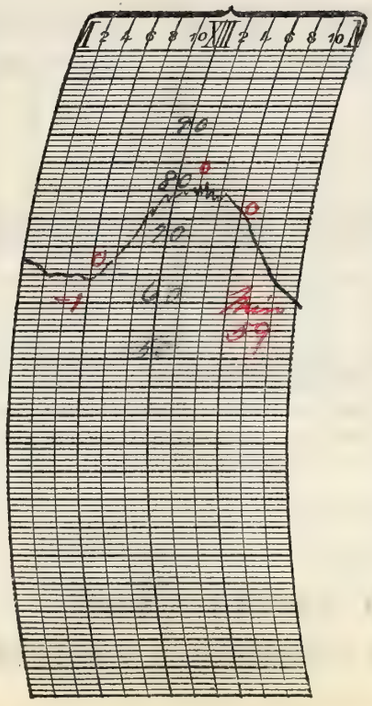
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



NOTES.

The day as a whole was clear, fine, and pleasant during the daylight hours from an increasing moon.

Prepared by
Verified by

8—486

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) AUG 26 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 58 | 56 | 56 | 55 | 55 | 57 | 64 | 66 | 69 | 73 | 75 | 78 | 78 | 80 | 81 | 81 | 78 | 77 | 75 | 73 | 72 | 71 | 70 | 68 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | Clear | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | → | | | | | | | × | Pt. Cloudy | × | Cloudy | → | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0 | 0 | 0 | | | | | |
| Wind direction | NW | NW | NW | N | N | N | N | E | S | S | S | S | S | SW | S | SW | SW | S | S | S | S | S | S | S |
| Wind movement | 5 | 5 | 3 | 3 | 2 | 2 | 2 | 2 | 5 | 6 | 8 | 5 | 7 | 9 | 8 | 9 | 7 | 9 | 8 | 7 | 6 | 7 | 8 | 9 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:56 Character, Clear
Moonrise: 2:01 P Character, Cloudy
Sunset: Time, 6:33 Character, Cloudy
Moonset:

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | .07 | 1.0 | 0.2 | | | | | | | | | | | | | | | |

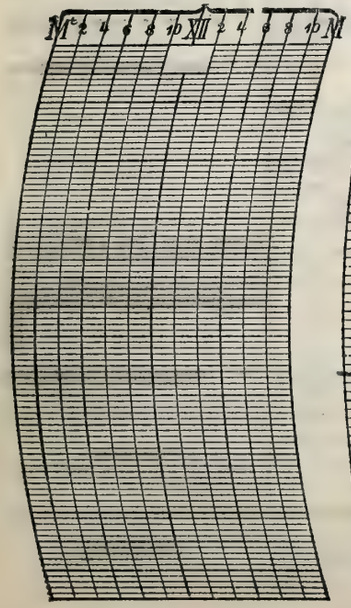
Excessive precipitation, accumulated amounts

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 81 | 55 | 68 | |

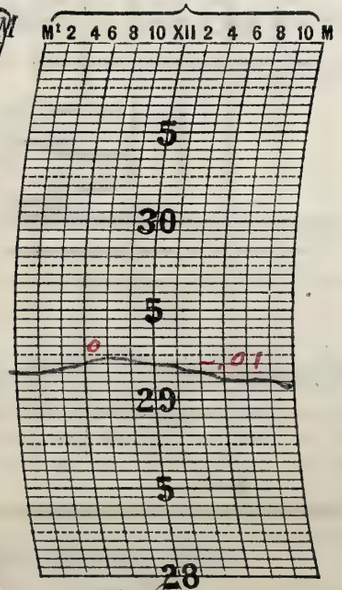
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 10.5 Possible sunshine, hours, 13.6
Per cent of possible sunshine, 77
Prevailing wind direction, S Total wind 142
Average hourly velocity, 5.9 Extreme velocity, 12
Maximum velocity, 12 Direction, SW
Time began, 11:29 p.m.
Reduced barometer, 30.13 7 a. m. 30.00 7 p. m.
River gage, 1.7 Feet.
Relative humidity, 71 7 a. m. 44 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 78.0 Wet temperature, 63.0
Dew-point, 54 R. humidity, 43 V. pressure, 417
Clouds: Amount, 3; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

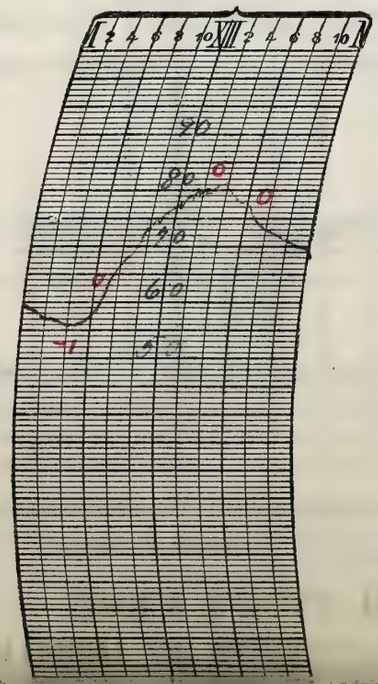
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by P. MacDonough
Verified by

## NOTES.

A clear and moderately warm day. An increasing moon shone faintly through thin and broken clouds at night.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) AUG 21 1923, 192

Time (local standard) 90th mer. normal time.

| | 12-1 A.M. | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 P.M. | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 68 | 69 | 69 | 70 | 70 | 71 | 73 | 77 | 78 | 81 | 78 | 72 | 73 | 71 | 71 | 61 | 60 | 60 | 61 | 61 | 59 | 56 | 54 | 52 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | RB 11:05 | RE 12:08 | RB 1:45 | | RA 3:05 RE 3:45 | RE 4:35 | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | .08 | .01 | T | .02 | T | T | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Pt. Cloudy | | × - Cloudy | | | | | | | | Cloudy | | | | | | | | → |
| Sunrise: Time, Character, | 4:57 Cloudy | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: | 3:00 p Cloudy | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, Character, | | | | | | | | | | | | | | | | | | | | | 6:31 Cloudy | | | |
| Moonset: | | | | | | | | | | | | | | | | | | | | | 12:12a | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0.2 | 0.8 | 1.0 | 1.0 | 0.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | S | S | SW | SW | SW | SW | SW | SW | SW | SW | W | W | SW | SW | W | N | N | N | N | N | N | N | N | N |
| Wind movement | 8 | 8 | 8 | 11 | 12 | 12 | 13 | 16 | 22 | 17 | 17 | 12 | 15 | 12 | 12 | 17 | 13 | 9 | 10 | 9 | 10 | 10 | 6 | 5 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

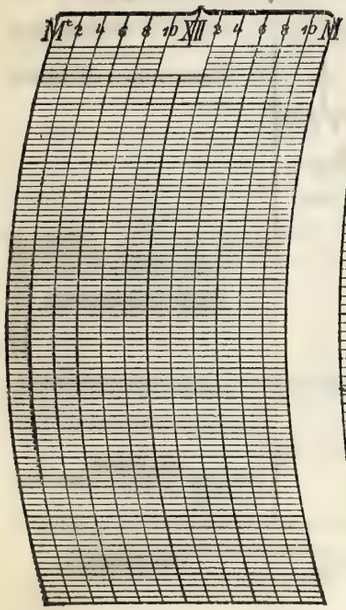
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 81 | 52 | 66 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .11 ins.
Total precipitation, midnight to midnight, .11 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 3.6 Possible sunshine, hours, 13.6
Per cent of possible sunshine, 26
Prevailing wind direction, SW Total wind 284
Average hourly velocity, 11.8 Extreme velocity, 33
Maximum velocity, 19 Direction, SW
Time began, 8:47 a.m.
Reduced barometer, 29.82 7 a. m. 29.89 7 p. m.
River gage, 1.6 Feet.
Relative humidity, 23 7 a. m. 29 7 p. m.

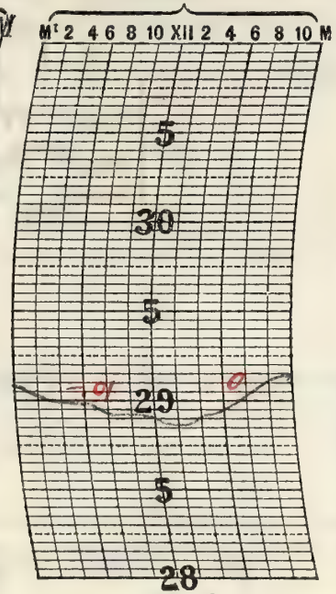
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 72.8 Wet temperature, 62.3
Dew-point, 61.5 R. humidity, 76 V. pressure, 61.6
Clouds: Amount, 10; Kind, Nb; Direction, SW
Velocity of clouds (miles per hour)

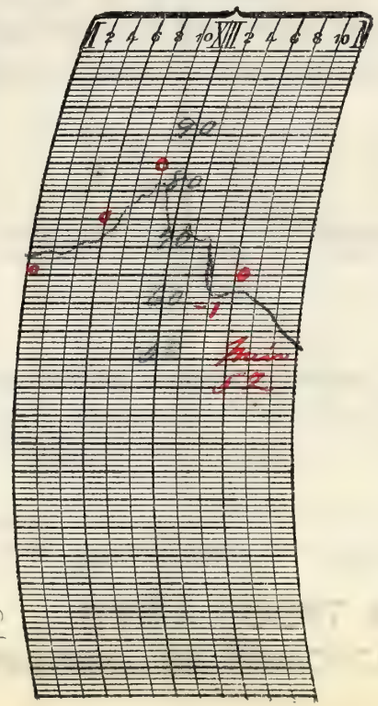
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by F. M. Ellis

Verified by F. M. Ellis

8—486

## NOTES.

A cloudy and moderately warm day with showers in the afternoon.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) AUG 22 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 49 | 48 | 48 | 47 | 46 | 46 | 49 | 51 | 54 | 56 | 58 | 60 | 62 | 63 | 64 | 65 | 64 | 63 | 62 | 58 | 55 | 53 | 52 | 51 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← | | Clear | | | | | | | | | Clear | | | | → | | | | |
| Sunrise: Time, Character, 4:28 Clear. Moonrise: 3:55p Clear | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 6:30 Clear. Moonset: 1:06a | | | |
| Sunshine (in tenths of hours) | | | | | .03 0 | 1.0 0 | 0.4 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.4 | 6.6 0 | .50 | | | | |
| Wind direction | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | NW | N | NW | N | N |
| Wind movement | 6 | 4 | 5 | 4 | 7 | 6 | 6 | 11 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 7 | 7 | 5 | 6 | 7 | 7 | 6 | 3 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

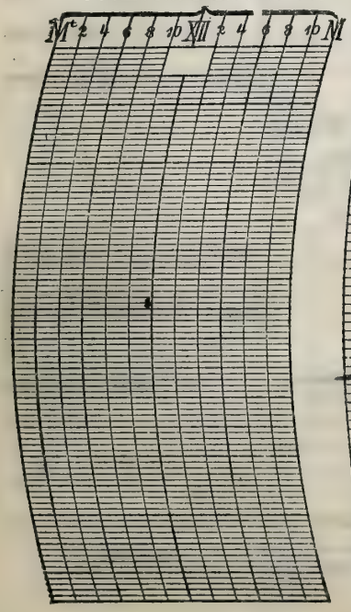
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 65 | 46 | 56 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0–10), 1
Actual sunshine, hours, 13.5 Possible sunshine, hours, 13.5
Per cent of possible sunshine, 100
Prevailing wind direction, N Total wind 165
Average hourly velocity, 6.9 Extreme velocity, 15
Maximum velocity, 13 Direction, N
Time began, 7:28 a.m.
Reduced barometer, 30.18 7 a. m. 30.13 7 p. m.
River gage, 1.5 feet.
Relative humidity, 68 7 a. m. 50 7 p. m.

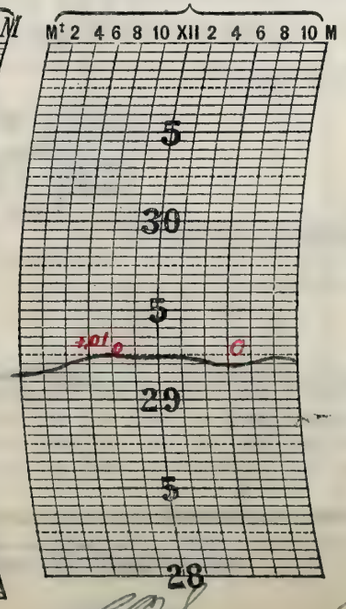
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 60.0 Wet temperature, 47.0
Dew-point, 32 R. humidity, 35 V. pressure, 180
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

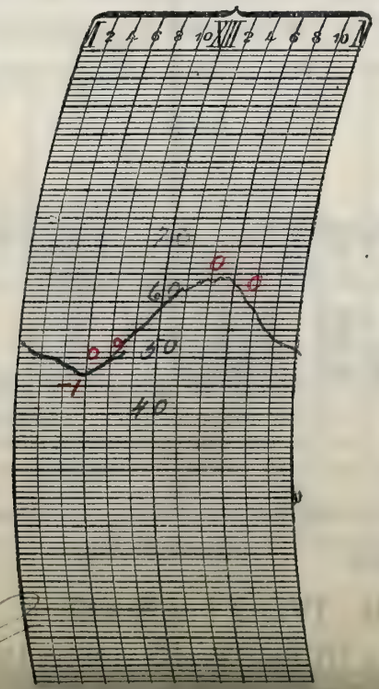
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by P. M. Hancock BCS
Verified by

## NOTES.

Heavy deposit of dew on ground this morning at 6 a.m., otherwise a clear, cool, and very pleasant and invigorating day. The night was resplendent with bright moonlight.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) AUG 23 1928, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 50 | 49 | 49 | 47 | 47 | 48 | 51 | 57 | 60 | 62 | 64 | 65 | 66 | 68 | 68 | 68 | 69 | 66 | 64 | 61 | 60 | 58 | 52 | 55 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear | | | | | | → Pt Cldy | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0.4 | 0.6 | 0.6 | 1.0 | 1.0 | 1.0 | 0.9 | 0.5 | 1.0 | 1.0 | 1.0 | 0 | 0 | | | | | |
| Wind direction | N | N | N | NW | NW | NW | N | N | N | NW | NW | NW | W | W | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW |
| Wind movement | 4 | 2 | 3 | 3 | 5 | 4 | 2 | 2 | 3 | 4 | 5 | 5 | 7 | 7 | 8 | 7 | 8 | 7 | 6 | 6 | 6 | 7 | 9 | 8 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:59 Character, Cloudy
Moonrise: 4:42p Clear

Sunset: Time, 6:28 Character, Clear
Moonset: 2:04a

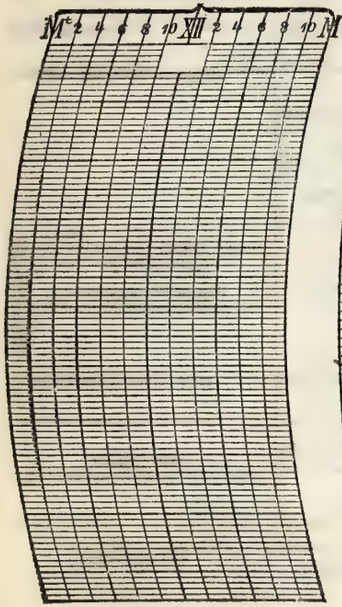
| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 69 | 46 | 58 | |

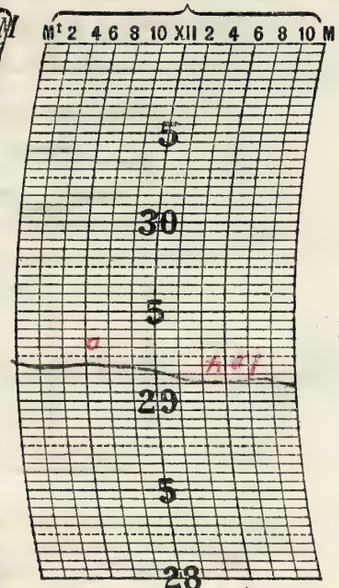
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 10.5 Possible sunshine, hours, 13.5
Per cent of possible sunshine, 78
Prevailing wind direction, SW Total wind, 110
Average hourly velocity, 5.3 Extreme velocity, 10
Maximum velocity, 10 Direction, SW
Time began, 11:05 p.m.
Reduced barometer, 30.13 7 a. m. 30.03 7 p. m.
River gage, 1.5 Feet
Relative humidity, 74 7 a. m. 57 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 65.3 Wet temperature, 52.0
Dew-point, 40 R. humidity, 39 V. pressure, .247
Clouds: Amount, 5; Kind, Cu; Direction, N
Velocity of clouds (miles per hour)

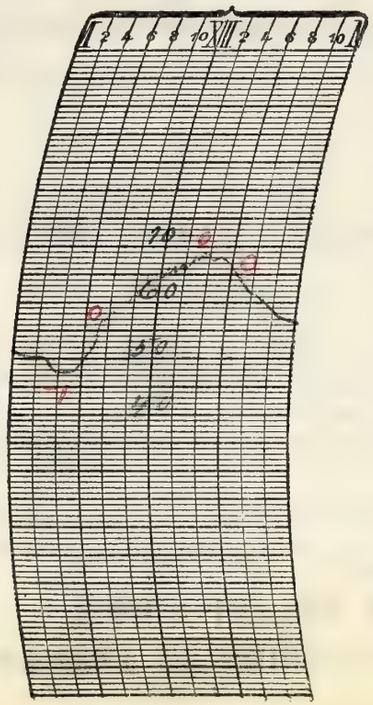
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by
Verified by C. M. Donough

8—486

## NOTES.

Cloudy and cool
Bright moonlight at night

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) AUG 24 1923, 192

Time (local standard). 90th mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 55 | 54 | 54 | 54 | 55 | 56 | 59 | 61 | 65 | 69 | 71 | 72 | 73 | 72 | 72 | 71 | 69 | 67 | 64 | 60 | 59 | 57 | 55 | 54 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | RB 5:00 RE 5:30 | | RB 7:40 RE 7:48 | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | T | | T | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | Cloudy | | Pt Cloudy | | | | | Clear | | | | | | | | | | | |
| Sunrise: Time, Character, 5:00 Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 6:12 Clear | | | |
| Moonrise: 1:24p Clear | | | | | | | | | | | | | | | | | | | | | Moonset: 3:05a | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0.2 | 0.1 | 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0.2 | 0 | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | W | W | W | NW | NW | NW | NW | NW | NW | NW | NW | N | N | N | N | N | N |
| Wind movement | 9 | 10 | 10 | 10 | 10 | 11 | 11 | 10 | 11 | 12 | 16 | 17 | 19 | 17 | 19 | 16 | 13 | 11 | 9 | 9 | 4 | 4 | 5 | 4 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

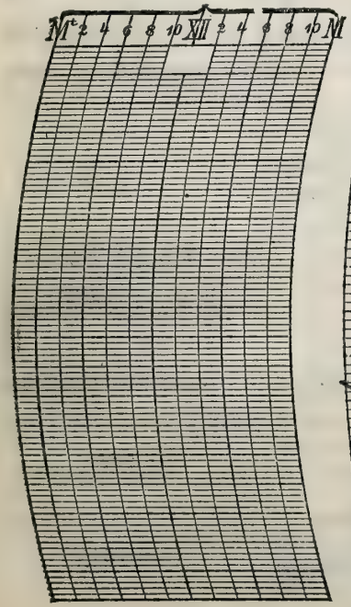
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 73 | 54 | 64 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 10.4 Possible sunshine, hours, 13.4
Per cent of possible sunshine, 78
Prevailing wind direction, NW Total wind, 267
Average hourly velocity, 11.1 Extreme velocity, 28
Maximum velocity, 27 Direction, NW
Time began, 12:15 p.m.
Reduced barometer, 29.94 7 a. m. 29.97 7 p. m.
River gage, 1.4 Feet.
Relative humidity, 71 7 a. m. 34 7 p. m.

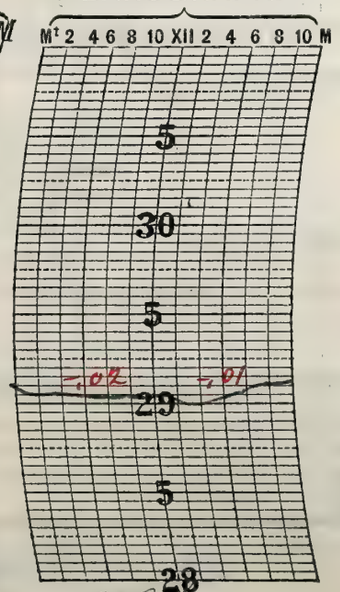
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 71.0 Wet temperature, 55.0
Dew-point, 41 R. humidity, 34 V. pressure, .256
Clouds: Amount, 5; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

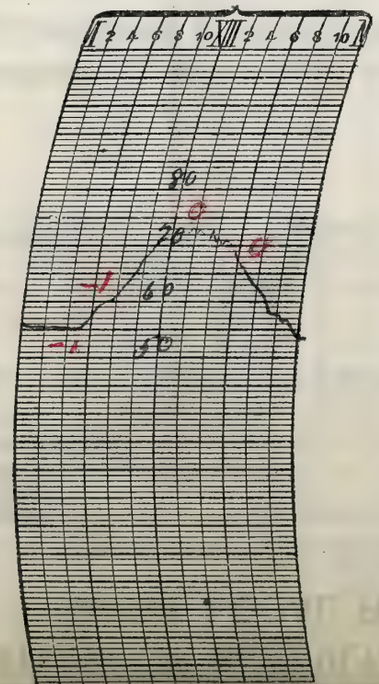
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by C. McDonough

Verified by

## NOTES.

A clear and moderately cool day, being very pleasant out-doors.
Brilliant moonlight at night.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) AUG 25 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 53 | 52 | 50 | 50 | 50 | 50 | 55 | 60 | 63 | 65 | 67 | 69 | 70 | 71 | 70 | 69 | 70 | 68 | 66 | 64 | 62 | 61 | 60 | 56 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear — | | | | | | × | Pt. Cloudy | | | | | × | Clear | | | | | → |
| Sunshine (in tenths of hours) | | | | | | 0 | 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.3 | 0.4 | 0 | | | | | |
| Wind direction | N | W | W | W | W | W | W | NW | NW | N | N | N | N | N | N | NW | N | N | N | N | N | N | O | N |
| Wind movement | 2 | 3 | 4 | 4 | 3 | 3 | 2 | 3 | 5 | 7 | 7 | 6 | 6 | 7 | 6 | 6 | 5 | 4 | 3 | 4 | 2 | 1 | 0 | 1 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:00 Character, Cloudy
Moonrise: 6:02p Clear
Sunset: Time, 6:25 Character, Clear
Moonset: 4:06a

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | |

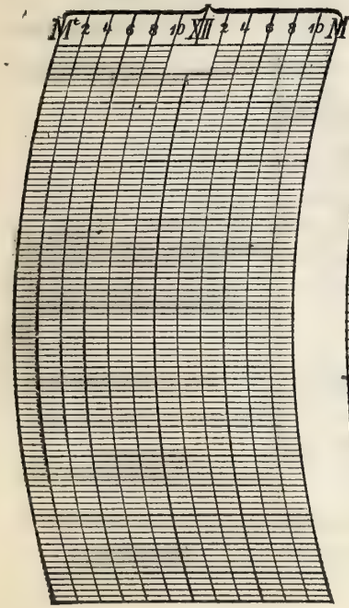
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 71 | 49 | 60 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 10.3 Possible sunshine, hours, 13.4
Per cent of possible sunshine, 84
Prevailing wind direction, N Total wind 94
Average hourly velocity, 3.9 Extreme velocity, 10
Maximum velocity, 10 Direction, N
Time began, 2:45 a.m.
Reduced barometer, 7 a. m. 30.09 7 p. m.
River gage, 1.31 feet.
Relative humidity, 67 7 a. m. 51 7 p. m.

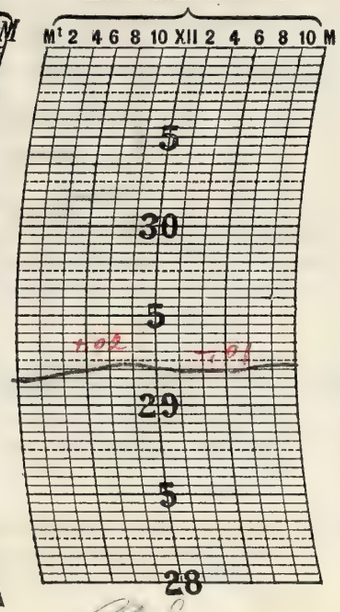
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 67.0 Wet temperature, 56.0
Dew-point, 48 R. humidity, 50 V. pressure, .334
Clouds: Amount, 3/2; Kind, Cu; Direction, NW NE
Velocity of clouds (miles per hour)

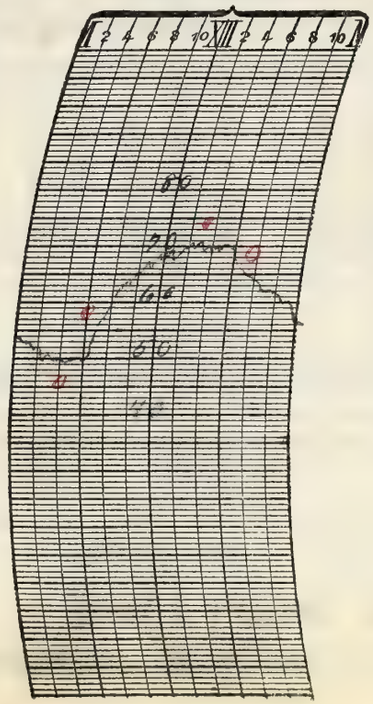
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by
Verified by T. McDonough

8—486

NOTES.

A fair day cloudy and pleasant day with moderate temperatures.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) AUG 26 1923, 192

Time (local standard), 90° mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 57 | 56 | 53 | 52 | 50 | 53 | 56 | 64 | 67 | 69 | 70 | 70 | 70 | 70 | 72 | 73 | 72 | 71 | 69 | 68 | 66 | 64 | 62 | 61 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | RB 12:10 RE 12:50 | RB 1:35 RE 1:50 | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | T | T | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← PM Cloudy × | | | | | | | Cloudy 9 | | | | | | | | | | | → |

Sunrise: Time, 5.02 Character, Cloudy
Moonrise: 6:32p Cloudy
Sunset: Time, 6:24 Character, Cloudy
Moonset: 5:02a Cloudy

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sunshine (in tenths of hours) | | | | | | 0 | 0.3 | 0.8 | 1.0 | 0.4 | 0.6 | 0 | 0 | 0 | 0.4 | 0.9 | 0.1 | 0 | 0 | | | | | |
| Wind direction | N | N | N | N | N | NE | E | E | S | SE | SE | SE | SE | E | E | E | E | E | E | E | E | E | E | E |
| Wind movement | 3 | 1 | 1 | 3 | 2 | 4 | 4 | 4 | 6 | 5 | 7 | 6 | 3 | 3 | 4 | 7 | 5 | 4 | 6 | 7 | 5 | 3 | 5 | 4 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

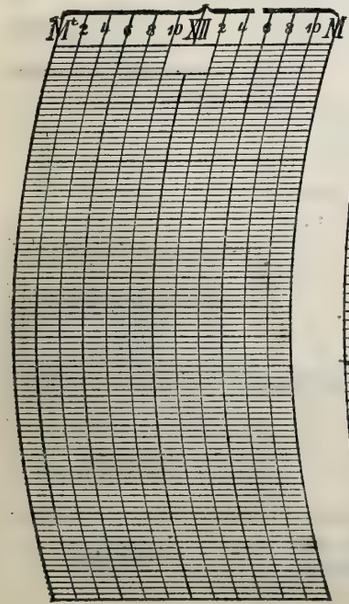
Excessive precipitation, accumulated amounts

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 73 | 50 | 62 | |

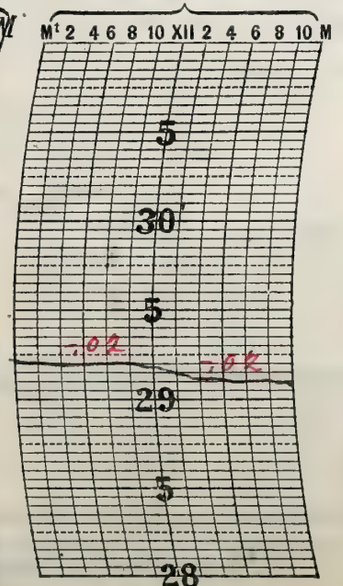
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase, Full 4:29 am
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 4.5 Possible sunshine, hours, 13.4
Per cent of possible sunshine, 34
Prevailing wind direction, E Total wind 102
Average hourly velocity, 4.2 Extreme velocity, 10
Maximum velocity, 10 Direction, E
Time began, 3:42 p.m.
Reduced barometer, 30.11 7 a. m. 30.01 7 p. m.
River gage, 1.35 ft.
Relative humidity, 64 7 a. m. 64 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 69.9 Wet temperature, 59.3
Dew-point, 48 R. humidity, 46 V. pressure, 33.4
Clouds: Amount, 10; Kind, A St; Direction, NW
Velocity of clouds (miles per hour)

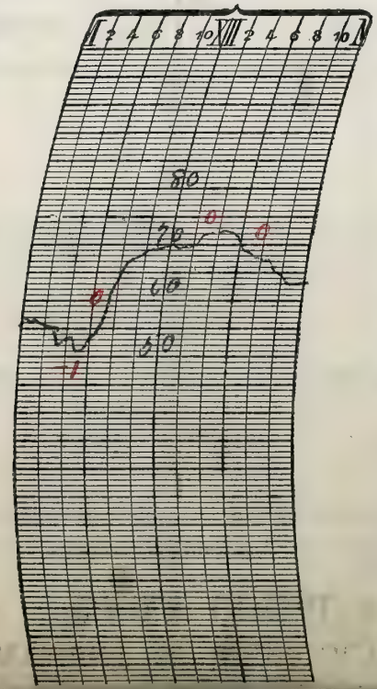
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by CAS
Verified by P. McDonough

## NOTES.

A partial eclipse of the moon occurred early this morning. The moon entered penumbra at 2:12.3 am, entered umbra at 3:37.8 a.m., and the middle of the eclipse occurred at 4:39½ am. The moon left umbra at 5:22.3 am, and penumbra at 7:06.4 am. The magnitude of the eclipse was 0.166, considering the moons diameter as 1.0

A cloudy and wet day with two light showers.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) AUG 27 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 61 | 62 | 61 | 62 | 63 | 63 | 64 | 68 | 68 | 69 | 68 | 69 | 71 | 72 | 72 | 71 | 70 | 70 | 69 | 68 | 67 | 66 | 66 | 64 |
| State of weather. Nature of precipitation and time of beginning and ending | RB 12:15 | | | | | RE 5:59 | | | | RB 9:03 RE 10:00 | RB 10:37 | | RE 12:05 RB 12:50 | RE 1:20 | | | RB 4:45 | RE 5:25 | | RB 7:45 | RE 8:14 | RE 9:14 RB 9:40 | | |
| Amounts of precipitation | .02 | .08 | .11 | .18 | .06 | .01 | | | | T | T | .26 | T | T | | | .01 | T | | .01 | .01 | .01 | .08 | .02 |
| Cloudiness and other conditions | ← Cloudy | | | | | | | → Cloudy | | | | | | | | | | | | | | | | |
| Sunrise: Time, Character, | 5:03 Cloudy | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: | 7:08p Cloudy | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, Character, | | | | | | | | | | | | | | | | | | | | | 6:22 Cloudy | | | |
| Moonset: | | | | | | | | | | | | | | | | | | | | | 6:08a Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0.6 | 0.5 | 0 | 0.1 | 0 | 0.2 | 0.2 | 0.1 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | E | SE | NW | SW | S | S | S | S | S | S | S | SW | SW | S | SW | SW | SW | S | S | S | S | S | SW | W |
| Wind movement | 4 | 3 | 4 | 8 | 9 | 8 | 9 | 9 | 10 | 12 | 12 | 12 | 13 | 10 | 12 | 11 | 10 | 7 | 9 | 8 | 14 | 13 | 13 | 7 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

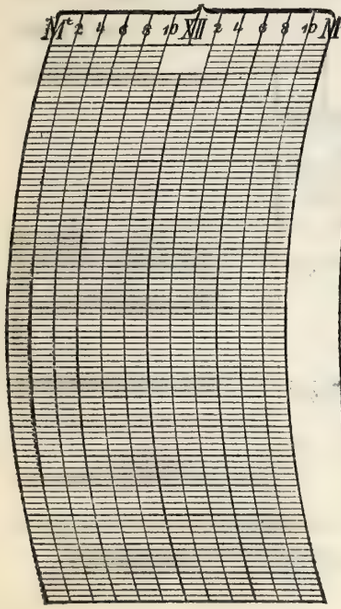
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 73 | 61 | 67 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .47 ins.; to 7 p. m., .27 ins.
Total precipitation, midnight to midnight, 0.87 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 1.7 Possible sunshine, hours, 13.3
Per cent of possible sunshine, 13
Prevailing wind direction, S. Total wind 223
Average hourly velocity, 9.5 Extreme velocity, 24
Maximum velocity, 23 Direction, SW
Time began, 10:04pm
Reduced barometer, 29.96 7 a. m. 29.90 7 p. m.
River gage, 1.45 Feet
Relative humidity, 89 7 a. m. 90 7 p. m.

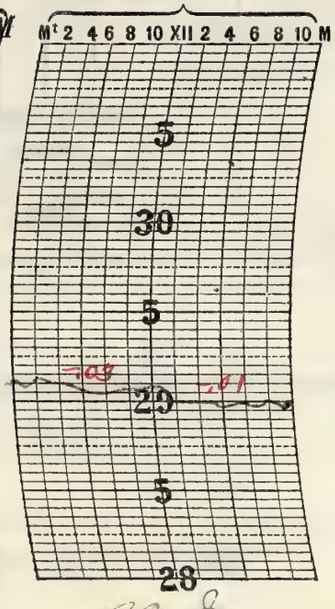
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 67.0 Wet temperature, 66.2
Dew-point, 65 R. humidity, 96 V. pressure, 616
Clouds: Amount, 10; Kind, Nb; Direction, SW
Velocity of clouds (miles per hour)

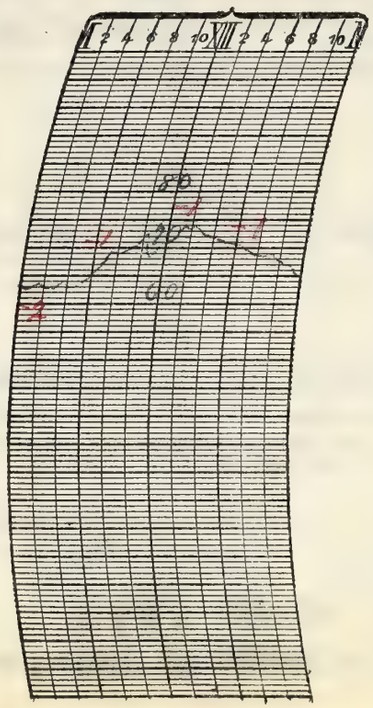
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by CDS

Verified by T. McKonough

8—486

## NOTES.

A thunder shower of moderate intensity, accompanied by a moderate fall of rain, came moving from the southwest beginning at 12:02 a.m. and ended at 4:15 a.m.

A light thunder storm accompanied by light precipitation and moving from the southwest began at 6:52 a.m. and ended at 12:05 p.m.

A cloudy day with moderate temperature and intermittent showers.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) AUG 28 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 64 | 64 | 63 | 63 | 63 | 64 | 67 | 66 | 68 | 69 | 73 | 74 | 74 | 75 | 73 | 73 | 72 | 69 | 68 | 65 | 64 | 64 | 62 | 62 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | RE 4:30 | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | .05 | .01 | .01 | .01 | T | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Cloudy | | | | | | | Cloudy | | | | | | | | | | | |

Sunrise: Time, 5:04 Character, Cloudy
Moonrise: 9:32p Clear
Sunset: Time, 6:21 Character, Cloudy
Moonset: 2:07a Cloudy

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0.9 | 0.8 | 1.0 | 1.0 | 0.9 | 0.5 | 0.7 | 0 | 0 | | | | | |
| Wind direction | S | S | S | S | SW | SW | SW | SW | SW | SW | SW | SW | W | W | W | W | NW | NW | NW | NW | NW | NW | NW | W |
| Wind movement | 8 | 10 | 9 | 10 | 10 | 11 | 11 | 13 | 11 | 11 | 12 | 12 | 14 | 14 | 17 | 15 | 12 | 9 | 6 | 6 | 6 | 3 | 3 | 2 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

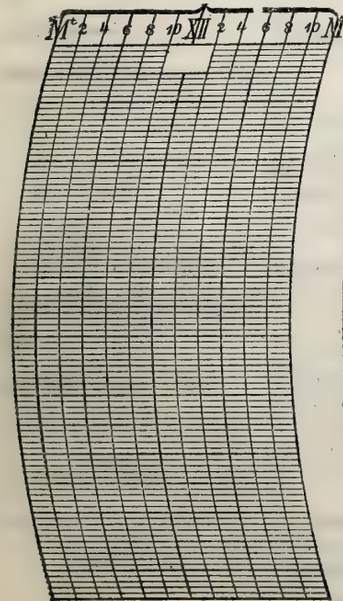
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 76 | 62 | 68 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .21 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .28 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 5.8 Possible sunshine, hours, 13.3
Per cent of possible sunshine, 44
Prevailing wind direction, SW Total wind, 235
Average hourly velocity, 9.8 Extreme velocity, 20
Maximum velocity, 19 Direction, NW
Time began, 1:25 pm
Reduced barometer, 29.80 7 a. m. 29.88 7 p. m.
River gage, 1.8 Feet
Relative humidity, 86 7 a. m. 74 7 p. m.

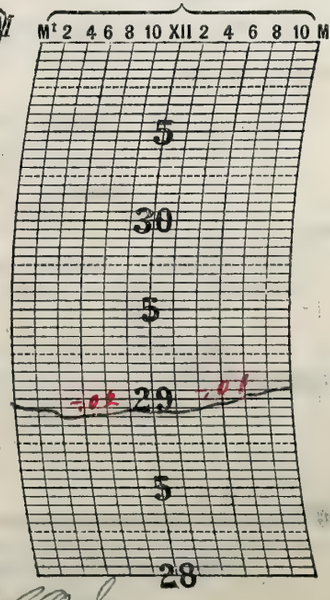
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 72.0 Wet temperature, 65.0
Dew-point, 61 R. humidity, 69 V. pressure, .536
Clouds: Amount, 9; Kind, St Cu; Direction, W
Velocity of clouds (miles per hour)

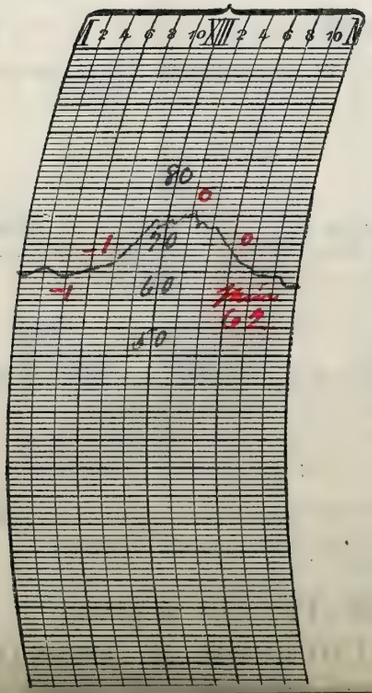
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by

Verified by S. McDonough

8—486

NOTES.

A cloudy day with moderate temperatures
Light fog began 11:40 pm,
Light fog ended - Continued in 8 29 th.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) AUG 29 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 60 | 59 | 59 | 58 | 57 | 57 | 60 | 67 | 70 | 73 | 76 | 77 | 78 | 80 | 78 | 75 | 75 | 74 | 72 | 72 | 69 | 68 | 66 | 66 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | RB 2:35 RE 2:40 | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | T | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear | | | | | | | × Pt. Cloudy × | | | | Cloudy | | | | | | | |
| Sunrise: Time, Character, 5:04 Clear | | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: 8:07p Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, Character, 6:19 Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Moonset: 8:05a Clear | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.5 | 0.4 | 0.4 | 0 | 0 | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | S | S | S | S | SW | SW | S | SE |
| Wind movement | 6 | 5 | 4 | 5 | 0 | 6 | 5 | 6 | 9 | 9 | 9 | 8 | 11 | 12 | 11 | 9 | 7 | 6 | 6 | 6 | 5 | 2 | 2 | 2 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

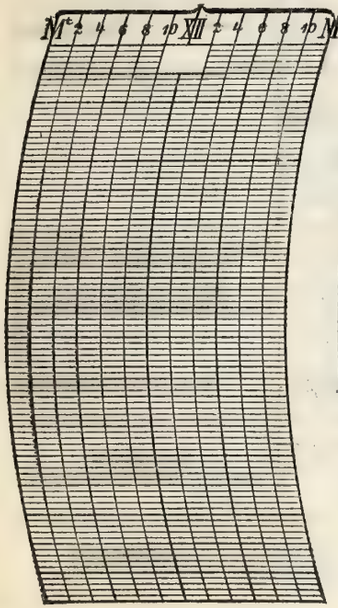
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 80 | 57 | 68 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 10.5 Possible sunshine, hours, 13.2
Per cent of possible sunshine, 80
Prevailing wind direction, SW Total wind, 115 m
Average hourly velocity, 6.1 m Extreme velocity, 17
Maximum velocity, 16 Direction, SW
Time began, 1:43 p.m.
Reduced barometer, 30.05 7 a. m. 30.06 7 p. m.
River gage, 1.7 Feet
Relative humidity, 92 7 a. m. 75 7 p. m.

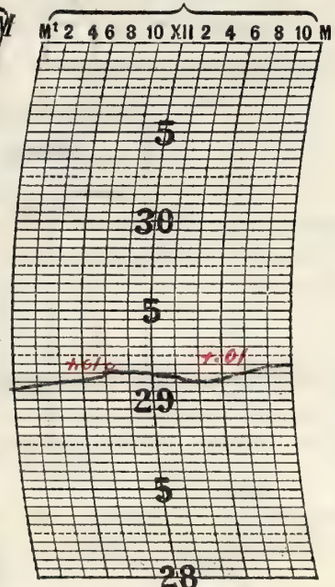
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 77.0 Wet temperature, 66.0
Dew-point, 60 R. humidity, 56 V. pressure, .512
Clouds: Amount, 2; Kind, Cu; Direction, NNW
Velocity of clouds (miles per hour)

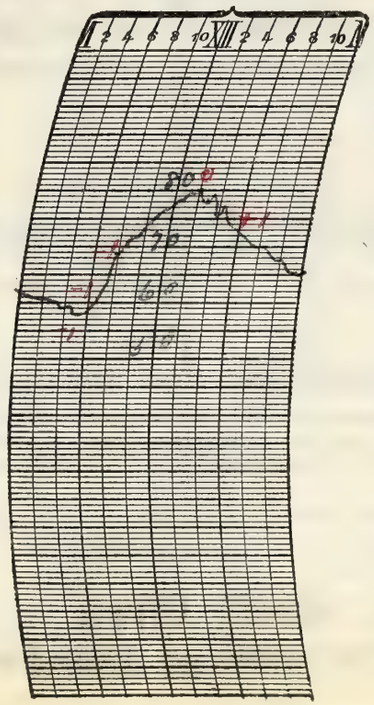
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by tells
Verified by C. McDonough

8—486

NOTES.

Heavy deposit of moisture on ground at a.m. observation. Par result of dense fog.
Light fog began 1 p.m. 8th
Light fog ended - 9 A.M.
Dense fog began 9 P.M.
Dense fog ended - 6:00 A.M.
a frosty cloudy and somewhat warm day.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) AUG 30 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 64 | 64 | 63 | 61 | 60 | 61 | 65 | 68 | 74 | 79 | 81 | 82 | 83 | 84 | 83 | 83 | 81 | 79 | 78 | 74 | 72 | 71 | 68 | 68 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear | | | | | | | → Pt. Cloudy → | | | | | ← Clear | | | | | | → |
| Sunrise: Time, 5:05 Character, Clear. Moonrise: 8:36p Clear | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 6:17 Character, Cloudy. Moonset: 2:02a Clear | | | |
| Sunshine (in tenths of hours) | | | | | | .92 0 | 0.6 0.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0 | 0 | | | | | |
| Wind direction | SE | SE | S | S | S | SW | SW | SW | SW | SW | SW | W | S | SW | SW | SW | W | W | W | NW | O | NW | NW | W |
| Wind movement | 2 | 1 | 3 | 2 | 3 | 3 | 3 | 1 | 3 | 4 | 5 | 6 | 6 | 6 | 6 | 6 | 5 | 3 | 2 | 2 | 0 | 1 | 3 | 1 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

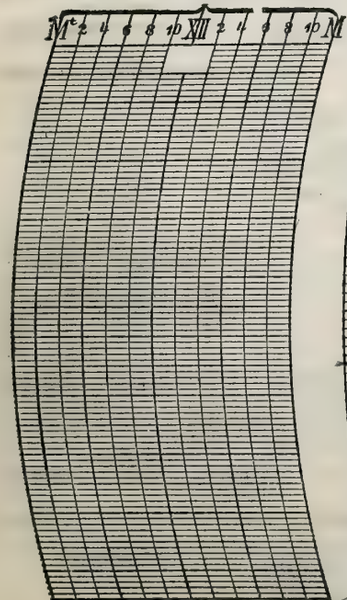
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 84 | 60 | 72 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 11.9 Possible sunshine, hours, 13.2
Per cent of possible sunshine, 90
Prevailing wind direction, SW Total wind 37
Average hourly velocity, 3.1 Extreme velocity, 10
Maximum velocity, 10 Direction, SW
Time began, 1:53 pm,
Reduced barometer, 30.16 7 a. m. 30.12 7 p. m.
River gage, 1.6 Feet
Relative humidity, 85 7 a. m. 65 7 p. m.

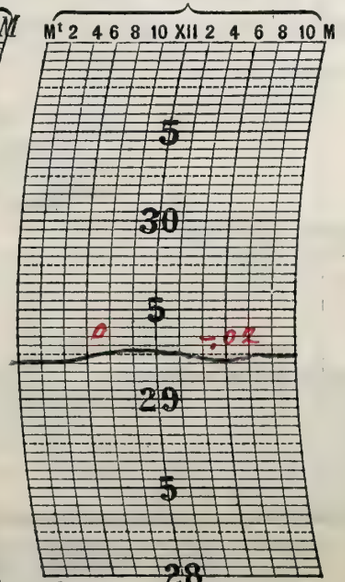
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 80.0 Wet temperature, 64.0
Dew-point, 54 R. humidity, 41 V. pressure, 417
Clouds: Amount, 3; Kind, Cu; Direction, NW.
Velocity of clouds (miles per hour)

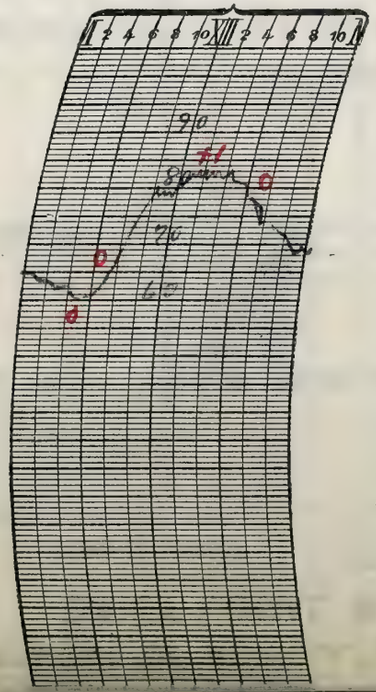
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by
Verified by P. McDonough

## NOTES.

Heavy dew occurred this morning. A fine clear and rather warm day.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) AUG 31 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 66 | 64 | 64 | 64 | 63 | 63 | 67 | 73 | 79 | 82 | 83 | 84 | 83 | 80 | 74 | 76 | 73 | 71 | 70 | 70 | 70 | 69 | 69 | 69 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | RB 2:12 RE 2:30 | | | RB 0:27 RE 5:45 | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | .08 | | | T | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear → | | | | | | × | Pt. Cldy | × | | | Cloudy | | | | → | | | |
| Sunrise: Time, Character | 5:07 Cloudy | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: | 9:07p Cloudy | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, Character | | | | | | | | | | | | | | | | | | | | | 6:16 Cloudy | | | |
| Moonset: | | | | | | | | | | | | | | | | | | | | | 9:39 Ba Clear | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0 | 0.2 | 0 | 0 | 0 | | | | | |
| Wind direction | W | W | W | 0 | W | W | 0 | SW | SW | S | SW | SW | SW | SW | S | S | S | SW | S | S | S | S | S | S |
| Wind movement | 1 | 2 | 1 | 0 | 1 | 1 | 0 | 3 | 4 | 6 | 6 | 6 | 6 | 5 | 9 | 5 | 7 | 7 | 4 | 5 | 3 | 3 | 4 | 4 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

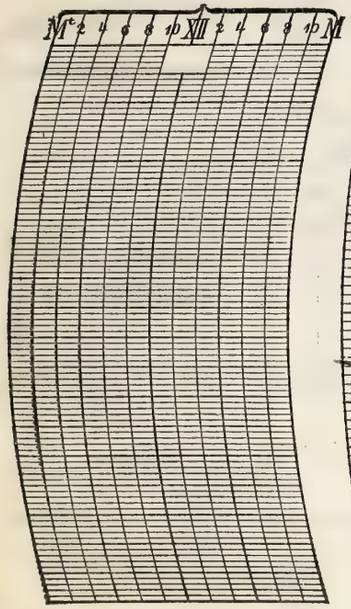
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 86 | 63 | 74 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .08 ins.
Total precipitation, midnight to midnight, .08 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 7.2 Possible sunshine, hours, 13.2
Per cent of possible sunshine, 55
Prevailing wind direction, S Total wind, 93
Average hourly velocity, 3.9 Extreme velocity, 25
Maximum velocity, 24 Direction, S
Time began, 2:12 p.m.
Reduced barometer, 30.13 7 a. m. 30.06 7, p. m.
River gage, 1.6 Fall
Relative humidity, 80 a. m. 87 7 p. m.

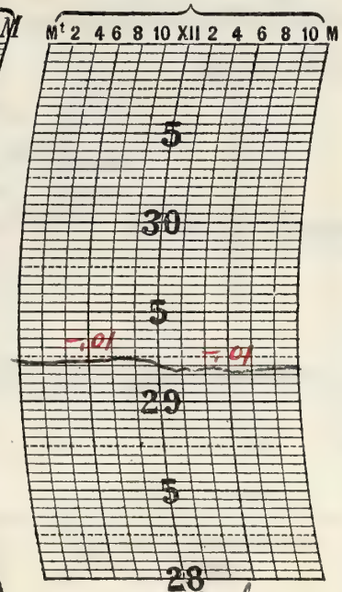
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 83.0 Wet temperature, 69.0
Dew-point, 62 R. humidity, 50 V. pressure, .553
Clouds: Amount, 5; Kind, Cu.; Direction, W.
Velocity of clouds (miles per hour)

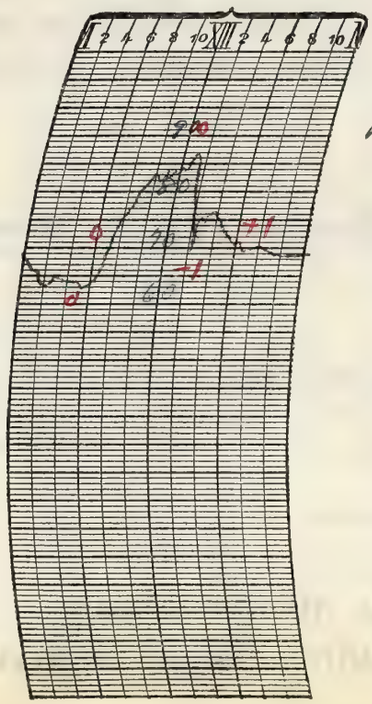
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by C.M.S.
Verified by C. McDonough

8—486

## NOTES.

Heavy deposit of dew on ground at a.m., observation. A light thunderstorm accompanied by a light shower, moved from the northwest beginning at 1:40 p.m. and ending at 2:30 p.m.

A partly cloudy and rather warm day.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) SEP - 1 1923, 192

Time (local standard), 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 68 | 68 | 68 | 68 | 66 | 67 | 69 | 75 | 78 | 80 | 83 | 84 | 85 | 84 | 83 | 83 | 82 | 80 | 77 | 78 | 77 | 75 | 74 | 73 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | Pt. Cloudy | | | | × | | | Cloudy | | | | | | | | | → |
| Sunrise: Time, Character, | 5:08 Cloudy | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: | 9:14 P Cloudy | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, Character, | | | | | | | | | | | | | | | | | | | | | 6:14 Cloudy | | | |
| Moonset: | | | | | | | | | | | | | | | | | | | | | 10:37 A Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.2 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | S | S | S | S | S | S | S | S | S | S | S | S | S | S | SE | S | S | S | S | SE | SE | S | S | S |
| Wind movement | 4 | 3 | 2 | 1 | 2 | 1 | 2 | 4 | 5 | 7 | 9 | 10 | 9 | 9 | 7 | 8 | 5 | 3 | 4 | 7 | 6 | 6 | 9 | 8 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

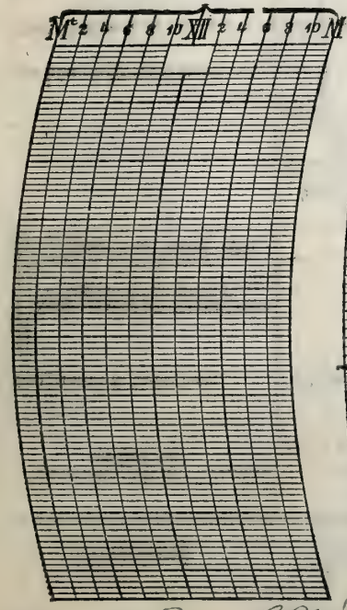
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 85 | 66 | 76 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0–10), 5
Actual sunshine, hours, 6.4 Possible sunshine, hours, 13.3
Per cent of possible sunshine, 49
Prevailing wind direction, S Total wind 131
Average hourly velocity, 5.5 Extreme velocity, 12
Maximum velocity, 16 Direction, S
Time began, 10:42 p. m.
Reduced barometer, 30.09 7 a. m. 30.01 7 p. m.
River gage, 1.7 Feet
Relative humidity, 85 7 a. m. 62 7 p. m.

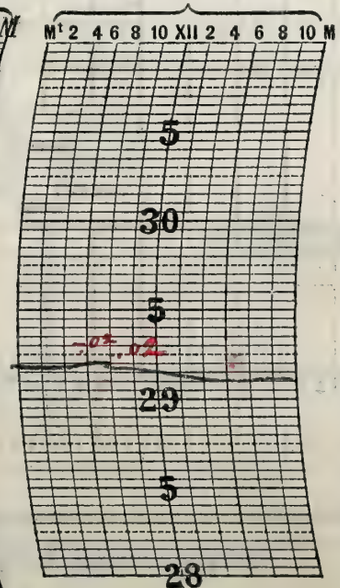
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 84.0 Wet temperature, 68.3
Dew-point, 60 R. humidity, 45 V. pressure, 5.17
Clouds: Amount, 2; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

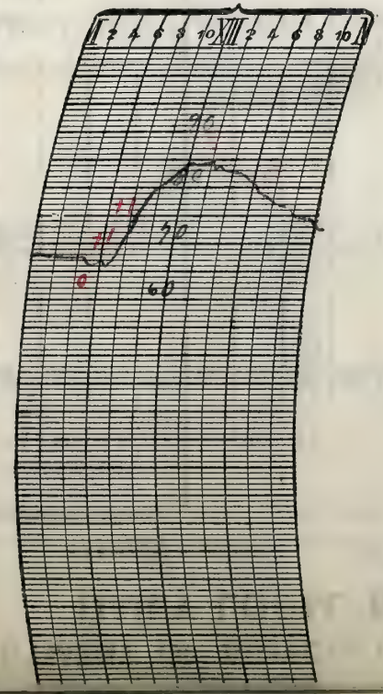
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




NOTES.

A partly cloudy and rather warm day

Prepared by
Verified by

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) SEP -7 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 73 | 72 | 71 | 71 | 70 | 70 | 71 | 73 | 75 | 79 | 81 | 80 | 79 | 76 | 74 | 75 | 74 | 74 | 73 | 73 | 73 | 72 | 71 | 71 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | PB 6:35 PE 6:38 | | | | PB 10:00 | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | T | | | | 0.03 | 0.01 |
| Cloudiness and other conditions | | | | | | ← | | | Cloudy | | | | | | Cloudy | | | | | | | → | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0.8 | 1.0 | 0.3 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | S | S | S | S | SW | SW | S | S | S | S | SW | SW | SW | SW | S | SW | SW | SW | SW | S | S | S | SW | S |
| Wind movement | 9 | 8 | 8 | 8 | 6 | 5 | 6 | 10 | 9 | 13 | 14 | 14 | 15 | 13 | 6 | 9 | 8 | 6 | 5 | 5 | 7 | 6 | 9 | 6 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time 6:09 Character Cloudy
Moonrise: 10:12P
Sunset: Time 6:12 Character Cloudy
Moonset: 11:30a Cloudy

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

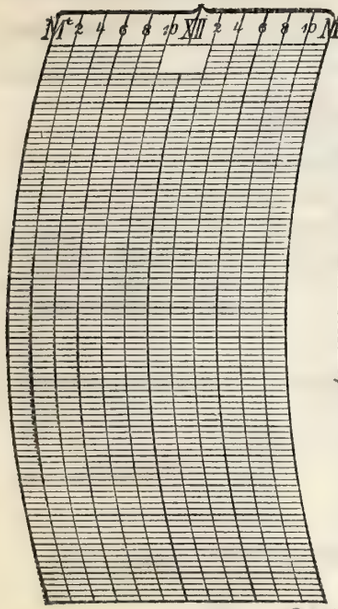
Excessive precipitation, accumulated amounts

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 81 | 70 | 76 | |

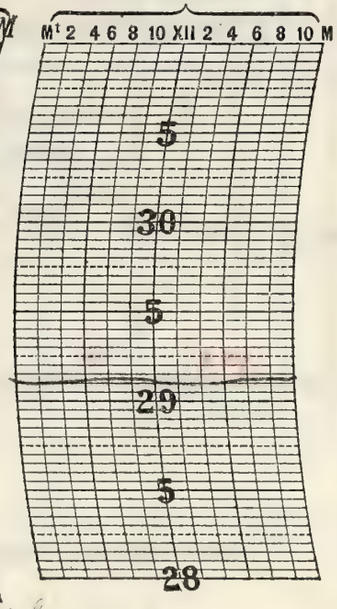
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, 0.04 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 2.3 Possible sunshine, hours, 13.0
Per cent of possible sunshine,
Prevailing wind direction, S Total wind 202
Average hourly velocity, 8.5 Extreme velocity,
Maximum velocity, 19 Direction, SW
Time began, 12:17 pm
Reduced barometer, 30.02 7 a. m. 30.03 7 p. m.
River gage, 1.6 Feet
Relative humidity, 75 7 a. m. 82 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 80.0 Wet temperature, 70.0
Dew-point, 65 R. humidity, 61 V. pressure, .616
Clouds: Amount, 10; Kind, St Cu; Direction, SW
Velocity of clouds (miles per hour)

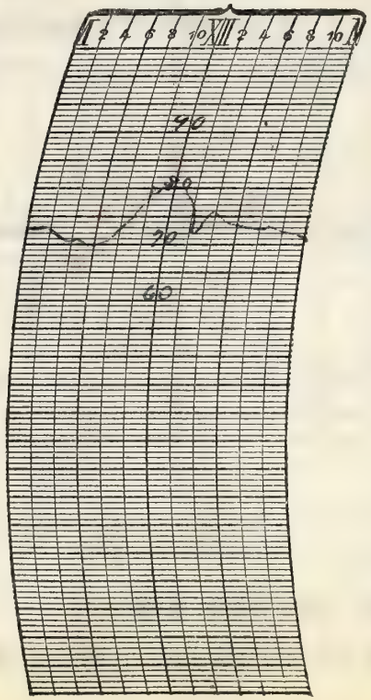
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by J. Cook

Verified by

8—486

## NOTES.

A cloudy and warm Sunday

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) SEP 3 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 68 | 68 | 68 | 67 | 67 | 68 | 69 | 70 | 70 | 70 | 73 | 74 | 77 | 80 | 81 | 81 | 81 | 78 | 77 | 75 | 73 | 71 | 70 | 70 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | SE DNH | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | .18 | .11 | .10 | T | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Cloudy | | | | | | | Cloudy | | Pt. Cldy | | Clear | | | | | | | → |
| Sunrise: Time, Character, 5:10 Cloudy. Moonrise: 10:53 p Clear | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 6:11 Cloudy. Moonset: 12:47 p Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 1.0 | 1.0 | 0.9 | 1.0 | 0.8 | 0 | 0 | | | | | |
| Wind direction | W | W | W | W | W | SE | S | S | SW | SW | SW | SW | SW | W | W | W | W | NW | NW | SW | S | S | SW | SW |
| Wind movement | 6 | 4 | 4 | 3 | 1 | 6 | 5 | 7 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 4 | 3 | 1 | 2 | 4 | 6 | 2 | 2 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

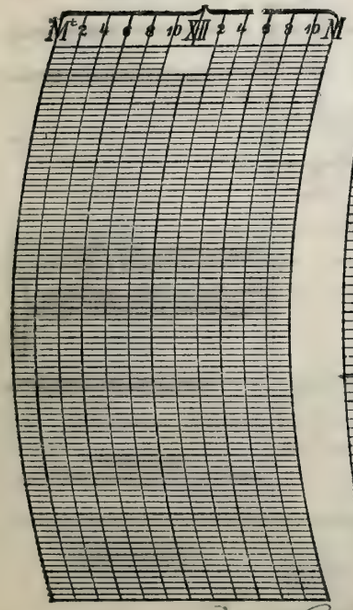
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 81 | 67 | 74 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .43 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .39 inches.
Character of day, Cloudy. Moon phase, LQ-6:47 a.m.
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 4.9 Possible sunshine, hours, 13.0
Per cent of possible sunshine, 38
Prevailing wind direction, W. Total wind 105
Average hourly velocity, 4.4 Extreme velocity, 9
Maximum velocity, 9 Direction, SW
Time began, 2:08 p.m.
Reduced barometer, 30.05 7 a. m. 30.06 7 p. m.
River gage, 1.8 Fcst.
Relative humidity, 90 7 a. m. 23 7 p. m.

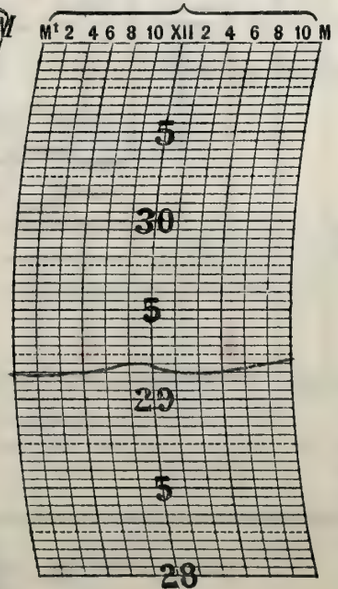
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 73.6 Wet temperature, 70.0
Dew-point, 68 R. humidity, 84 V. pressure, 684
Clouds: Amount, 9; Kind, St; Direction, S
Velocity of clouds (miles per hour)

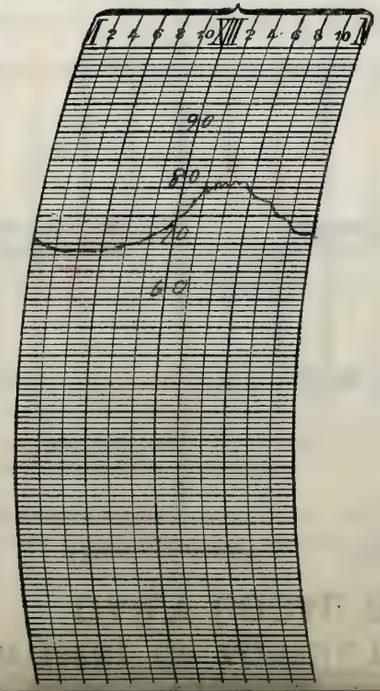
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by [illegible]

Verified by [illegible]

NOTES.

A cloudy, warm, & rainy, and muggy day.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) SEP -4 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 69 | 68 | 67 | 66 | 65 | 65 | 66 | 69 | 71 | 71 | 73 | 75 | 77 | 75 | 75 | 76 | 76 | 74 | 74 | 72 | 71 | 71 | 70 | 70 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | R 3:00 RE 3:14 | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | T | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear | | | | | | | Cloudy → | | | | | | | | | | | |
| Sunrise: Time, Character, | 5:11 Cloudy | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, | 6:07 Cloudy | | |
| Moonrise: | 10:45p | | | | | | | | | | | | | | | | | | | | Moonset: | 11:32p Cloudy | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | SW | NW | N | N | N | N | NE | E | NE | NE | NE | NE | NE | E | E | E | E | E | E | E | E | E | E | E |
| Wind movement | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 3 | 6 | 5 | 7 | 7 | 8 | 7 | 5 | 6 | 6 | 6 | 6 | 6 | 5 | 3 | 3 | 2 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

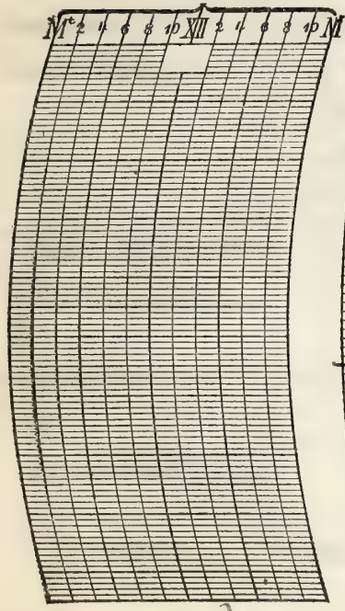
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 77 | 65 | 71 | |

Total depth of snow for 24 hours ending 7 p. m. 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0–10), 6
Actual sunshine, hours, 6:8 Possible sunshine, hours, 13.0
Per cent of possible sunshine, 53
Prevailing wind direction, E Total wind 118
Average hourly velocity, 4.2 Extreme velocity, 10
Maximum velocity, 10 Direction, NE
Time began, 12:06 p.m.
Reduced barometer, 30.11 7 a. m. 30.09 2 p. m.
River gage, 2.31 00 +
Relative humidity, 91 7 a. m. 84 2 p. m.

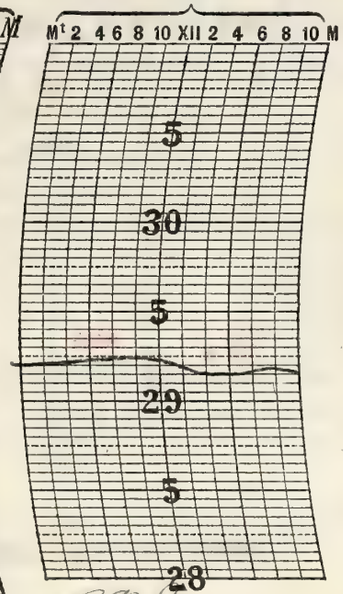
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 75.0 Wet temperature, 70.2
Dew-point, 68 R. humidity, 79 V. pressure, .684
Clouds: Amount, 8; Kind, Alst.; Direction, W
Velocity of clouds (miles per hour)

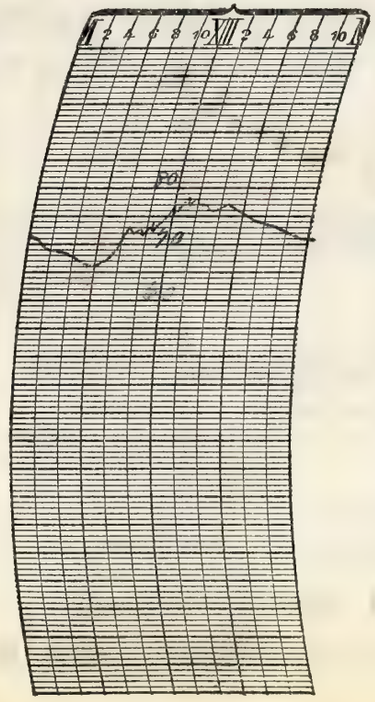
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by
Verified by

8—486

## NOTES.

Heavy deposit of dew on ground at morning observation
A faint scale had a temperature of 22° reading observed from 10:45 p.m. until 1:10 p.m.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) SEP 5 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 69 | 68 | 67 | 67 | 66 | 67 | 69 | 69 | 70 | 73 | 76 | 77 | 80 | 81 | 80 | 79 | 78 | 77 | 76 | 74 | 74 | 72 | 71 | 71 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | Cloudy | | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0.1 | 1.0 | 1.0 | 1.0 | 1.0 | 0.1 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | E | E | E | E | E | E | E | E | NE | NE | E | NE | NE | E | E | E | E | E | SE | SE | 0 | SE | E | E |
| Wind movement | 2 | 4 | 1 | 3 | 3 | 3 | 3 | 2 | 4 | 3 | 6 | 7 | 5 | 7 | 5 | 4 | 3 | 3 | 4 | 3 | 0 | 1 | 2 | 4 |
| Maximum velocities (exceeding 25 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:11 Character, Cloudy
Moonrise:

Sunset: Time, 6:08 Character, Cloudy
Moonset: 2:29 p Cloudy

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

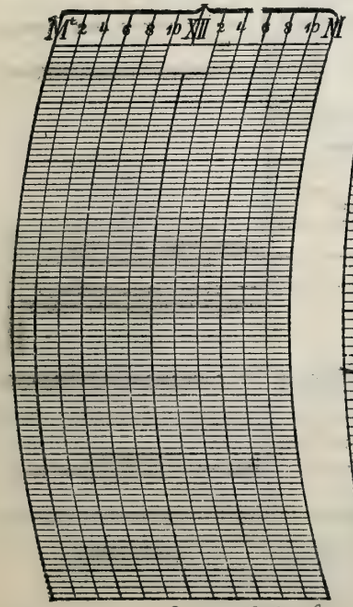
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 81 | 66 | 74 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 8
Actual sunshine, hours, 4.2 Possible sunshine, hours, 13.0
Per cent of possible sunshine, 32
Prevailing wind direction, E Total wind 82
Average hourly velocity, 3.4 Extreme velocity, 9
Maximum velocity, 9 Direction, NE
Time began, 10:50 a.m.
Reduced barometer, 30.10 7 a. m. 30.03 7 p. m.
River gage, 1.0 Feet.
Relative humidity, 95 7 a. m. 78 7 p. m.

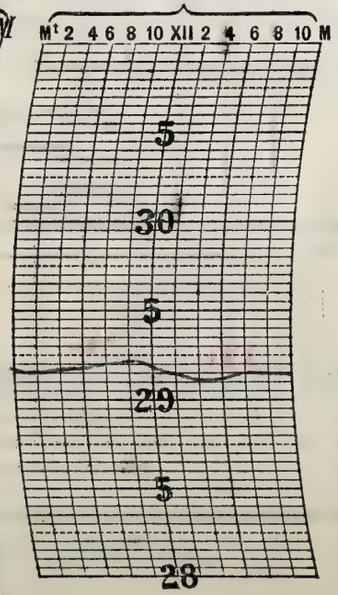
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 77.2 Wet temperature, 69.8
Dew-point, 66 R. humidity, 69 V. pressure, 638
Clouds: Amount, 8; Kind, StCu; Direction, NE
Velocity of clouds (miles per hour)

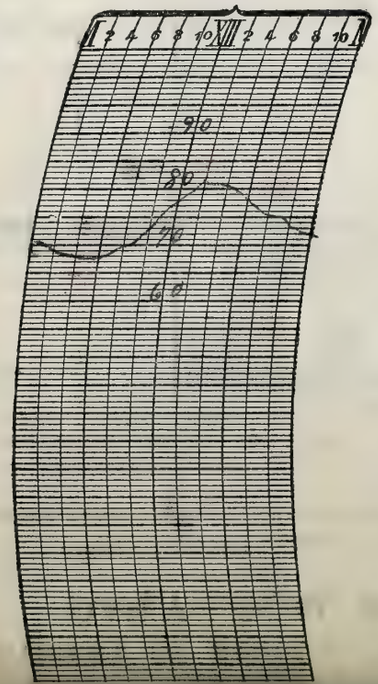
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by Ellis
Verified by

## NOTES.

Light fog began 6 A.M.
Light fog ended – 9:25 a.m.
Cloudy and muggy
sticky day

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) SEP -6 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 71 | 70 | 70 | 69 | 69 | 69 | 69 | 71 | 74 | 77 | 79 | 80 | 73 | 73 | 73 | 73 | 72 | 71 | 70 | 69 | 69 | 69 | 69 | 68 |
| State of weather. Nature of precipitation and time of beginning and ending | | | RB ONB | | | RE 5:43 | | RB 7:13 | RE 8:20 | | | | RB 12:19 | | | | | RE 5:49 | | | | | | RB 11:10 RE 11:50 |
| Amounts of precipitation | | | T | .02 | .01 | .01 | | T | T | | | | .13 | .01 | .01 | T | T | .01 | | | | | | .02 |
| Cloudiness and other conditions | | | | | | | | Cloudy | | | | | | | | | | Cloudy | | | | | | |
| Sunrise: Time, Character, 5:12 Cloudy. Moonrise: 12:36a | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 6:06 Cloudy. Moonset: 3:18p Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0.9 | 0.7 | 0.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | E | E | E | E | E | E | E | E | SE | S | S | S | SW | S | S | S | S | S | S | S | S | S | S | SW |
| Wind movement | 4 | 6 | 4 | 3 | 3 | 6 | 4 | 4 | 5 | 8 | 12 | 10 | 12 | 9 | 7 | 10 | 13 | 12 | 10 | 9 | 7 | 11 | 13 | 16 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

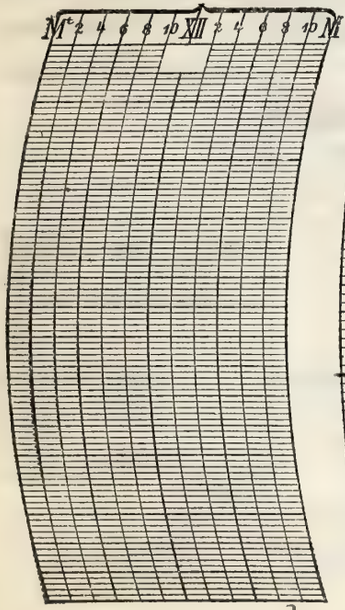
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 80 | 68 | 74 | |

Total depth of snow for 24 hours ending 7 p. m. 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.4 ins.; to 7 p. m., 1.6 ins.
Total precipitation, midnight to midnight, 2.1 inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0–10), 9
Actual sunshine, hours, 2.4 Possible sunshine, hours, 14.2
Per cent of possible sunshine, 19
Prevailing wind direction, S Total wind 176
Average hourly velocity, 8.2 Extreme velocity, 23
Maximum velocity, 22 Direction, SW
Time began, 11:41 p.m.
Reduced barometer, 29.92 7 a. m. 29.84 7 p. m.
River gage, 4.8 Feet.
Relative humidity, 84 7 a. m. 80 7 p. m.

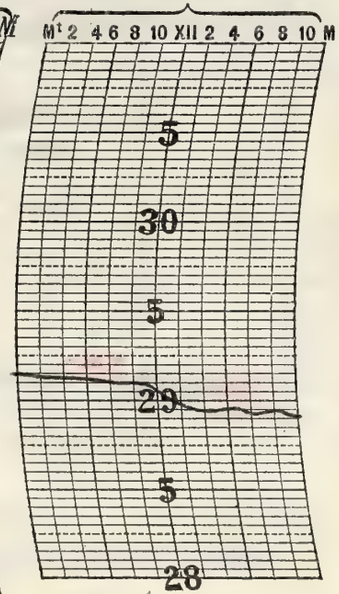
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 79.8 Wet temperature, 71.0
Dew-point, 64 R. humidity 64 V. pressure, 664
Clouds: Amount, 9; Kind, Cu.; Direction, SW.
Velocity of clouds (miles per hour)

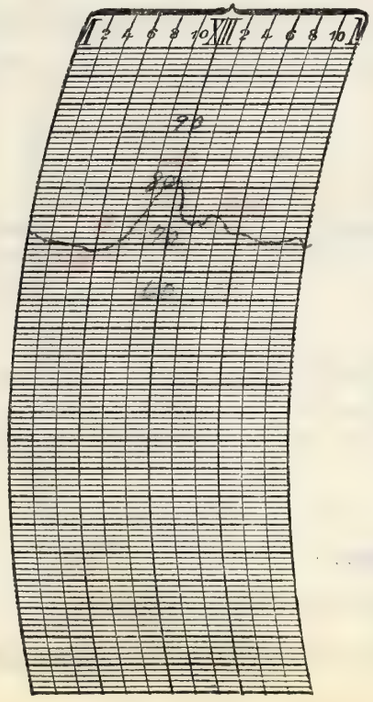
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by CWS

Verified by

8—486

## NOTES.

A light thunderstorm came from the northwest began at 12:15 p.m. and ended at 3:19 p.m. A cloudy and moderately warm day.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) SEP 7 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 67 | 66 | 66 | 65 | 65 | 66 | 67 | 70 | 71 | 69 | 70 | 74 | 74 | 71 | 70 | 71 | 70 | 69 | 69 | 67 | 66 | 64 | 62 | 60 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | RB 0:03 1E 7:17 | | RB 9:18 | | RE 11:06 | | | | | | | | RB 0:05 RE 7:43 | | | | |
| Amounts of precipitation | | | | | | | | T | | .08 | .26 | T | | | | | | | | T | | | | |
| Cloudiness and other conditions | | | | | | ← | | | | Cloudy | | | | | | Cloudy | | | | | | | | → |
| Sunrise: Time, Character | 5:13 Cloudy | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character | 6:04 Cloudy | | |
| Moonrise: | 1:34a | | | | | | | | | | | | | | | | | | | | Moonset: | 4:02p Cloudy | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0.5 | 0.1 | 0 | 0.8 | 1.0 | 0.3 | 0.1 | 0.4 | 0.2 | 0 | 0 | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | S | S | SW | SW | SW | W | W | SW | SW | SW | SW | NW | W | SW | SW | SW |
| Wind movement | 13 | 13 | 14 | 13 | 12 | 10 | 11 | 8 | 12 | 11 | 10 | 10 | 14 | 15 | 12 | 12 | 11 | 11 | 11 | 9 | 6 | 7 | 9 | 9 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| | Total duration. | | Total amount of precipitation. | Excessive rate. | | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | From— | To— | | Began— | Ended— | | 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

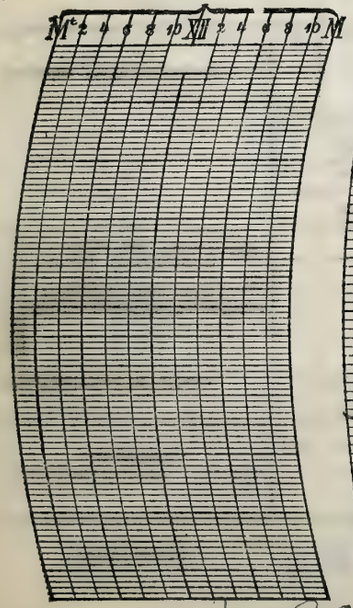
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 76 | 60 | 68 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .01 ins.; to 7 p. m., .34 ins.
Total precipitation, midnight to midnight, .34 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 9
Actual sunshine, hours, 3.4 Possible sunshine, hours, 14.8
Per cent of possible sunshine, 23
Prevailing wind direction, SW Total wind 263
Average hourly velocity, 11.0 Extreme velocity, 19
Maximum velocity, 17 Direction, W
Time began, 1:43 a.m.
Reduced barometer, 29.85 7 a. m. 29.87 7 p. m.
River gage, 2.2 Fall
Relative humidity, 82 7 a. m. 73 7 p. m.

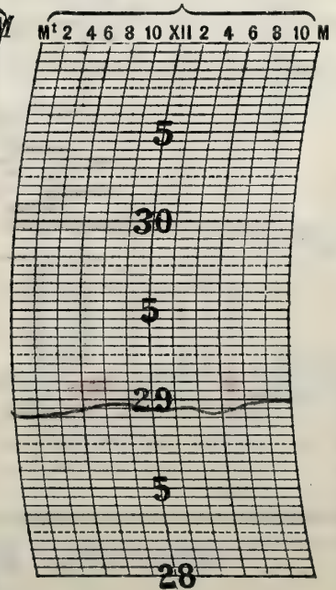
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 71.6 Wet temperature, 69.0
Dew-point, 68 R. humidity, 88 V. pressure, .684
Clouds: Amount, 7; Kind, St-Cu; Direction, W
Velocity of clouds (miles per hour)

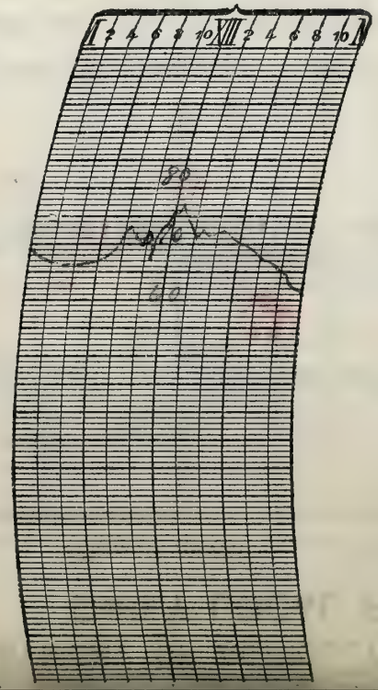
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by [illegible]

Verified by [illegible]

## NOTES.

A light thunderstorm moving from the northwest began at 10:24 a.m. and ended at 11:21 a.m. A cloudy and moderately warm day with occasional showers.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) SEP -8 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 59 | 58 | 58 | 57 | 57 | 56 | 60 | 64 | 66 | 68 | 71 | 72 | 74 | 74 | 75 | 73 | 71 | 70 | 70 | 65 | 60 | 57 | 57 | 57 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | AB 6:20 | RE 7:12 | AB 8:24 | | RE 10:41 | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | T | T | T | .08 | .01 | |
| Cloudiness and other conditions | | | | | | ← Pt. Cloudy → | | | Cloudy | | | | Pt. Cloudy | | | | | | Cloudy | | | | | → |
| | Sunrise: Time, 5:14 Character, Clear. Moonrise: 2:37a | | | | | | | | | | | | | | | | | | | | Sunset: Time, 6:03 Character, Cloudy. Moonset: 4:45p Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | .9 | 0.2 0 | 0.8 | 1.0 | 1.0 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 0.8 | 0.1 | 0 | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | W | SW | W | W | W | W | W | S | N | NE | NE | E |
| Wind movement | 7 | 8 | 11 | 10 | 10 | 9 | 10 | 10 | 11 | 10 | 13 | 15 | 13 | 14 | 13 | 12 | 9 | 4 | 2 | 3 | 12 | 11 | 9 | 6 |
| Maximum velocities (exceeding 6 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

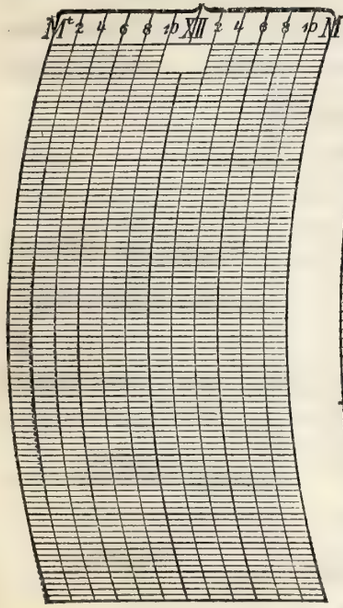
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 75 | 56 | 66 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .05 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 10.2 Possible sunshine, hours, 12.8
Per cent of possible sunshine, 82
Prevailing wind direction, S W Total wind 232
Average hourly velocity, 9.7 Extreme velocity,
Maximum velocity, 20 Direction, N
Time began, 8:17 p.m.
Reduced barometer, 29.99 a. m. 29.85 p. m.
River gage, 2.4 Feet
Relative humidity, 76 7 a. m. 47 7 p. m.

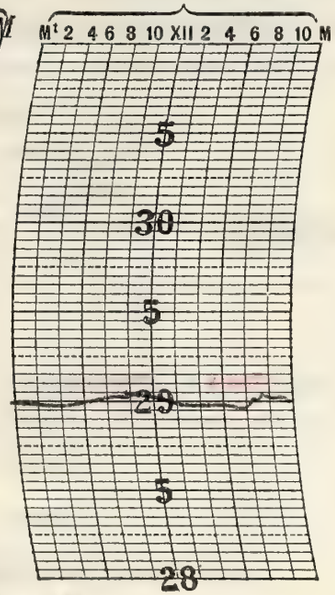
### OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 71.0 Wet temperature, 58.0
Dew-point, 49 R. humidity, 45 V. pressure, 34.7
Clouds: Amount, 6; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

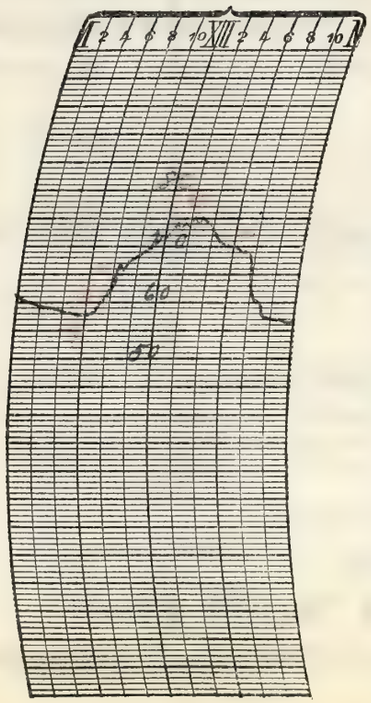
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by C. C. Chappell
Verified by

8—486

## NOTES.

A partly cloudy day with moderate temperature

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) ____, (Date) SEP - 9 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 55 | 55 | 55 | 54 | 54 | 52 | 55 | 54 | 56 | 60 | 63 | 65 | 66 | 66 | 65 | 65 | 65 | 62 | 60 | 57 | 56 | 54 | 53 | 52 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | + Cloudy | × | | | Pt. Cloudy | | | | | | × Clear | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0.4 | 0 | 0 | 1.0 | 1.0 | 0.8 | 0.8 | 0.5 | 0.4 | 0.6 | 0.8 | 0.1 | 0 | | | | | |
| Wind direction | E | E | E | N | NW | NW | NW | N | N | N | N | N | NW | NW | N | N | N | N | N | N | N | N | N | NE |
| Wind movement | 4 | 2 | 1 | 3 | 3 | 2 | 6 | 8 | 9 | 7 | 9 | 11 | 12 | 12 | 9 | 9 | 8 | 6 | 4 | 3 | 6 | 5 | 6 | 6 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:15 Character, Cloudy
Moonrise: 3:43a

Sunset: Time, 6:01 Character, Clear
Moonset: 5:25p Clear

0.9.02

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

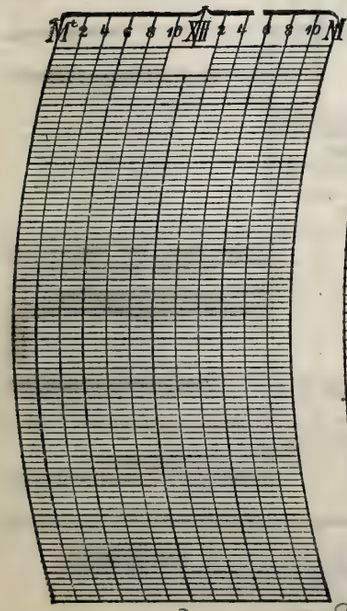
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 66 | 52 | 59 | ✓ |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .05 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 7.3 Possible sunshine, hours, 12.8
Per cent of possible sunshine, 57
Prevailing wind direction, N Total wind 151
Average hourly velocity, 6.3 Extreme velocity, 16
Maximum velocity, 16 Direction, NW
Time began, 1:33 p.m.
Reduced barometer, 30.00 7 a. m. 30.08 7 p. m.
River gage, 2.2 Feet
Relative humidity, 99 7 a. m. 64 7 p. m.

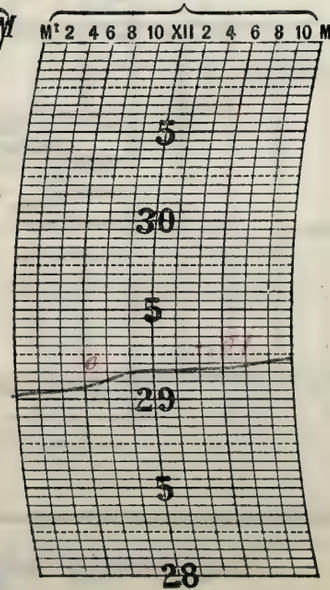
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 66.0° Wet temperature, 64.5
Dew-point, 45 R. humidity, 47 V. pressure, 29.8
Clouds: Amount, 7; Kind, Cu; Direction, N
Velocity of clouds (miles per hour)

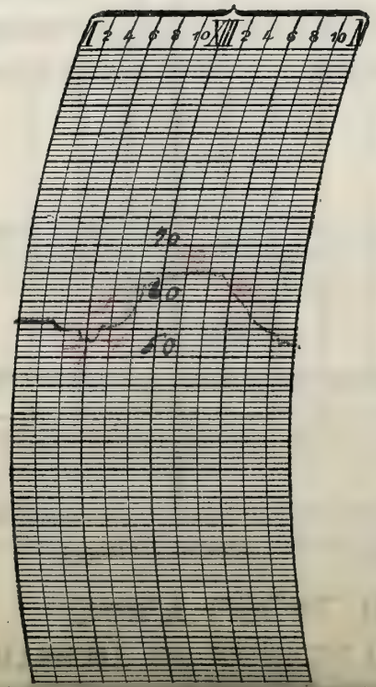
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by ____
Verified by ____

NOTES.

A cloudy day and very pleasant throughout cool evening.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) SEP 10 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 51 | 50 | 50 | 49 | 48 | 49 | 51 | 56 | 60 | 62 | 65 | 65 | 69 | 69 | 69 | 69 | 67 | 66 | 65 | 61 | 60 | 59 | 58 | 58 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear → | | | | Pt. Cloudy | | | → | | → | | Clear | | → | | | | | → |
| Sunrise: Time, Character, 5:16 Clear. Moonrise: 4:53 Clear. | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 5:09 Clear. Moonset: 6:03 PM Clear. | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0.4 | 1.0 | 1.0 | 0.6 | 0.8 | 0.6 | 0.7 | 1.0 | 1.0 | 0.4 | 0.8 | 0 | | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | E | E | E | SE | SE | S | E | SW | S | S | SW | S | S | S | S | S | S | S |
| Wind movement | 6 | 5 | 7 | 5 | 5 | 6 | 7 | 7 | 6 | 7 | 4 | 4 | 2 | 5 | 7 | 5 | 4 | 4 | 1 | 2 | 1 | 2 | 1 | 3 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

.13 0.6 .42 .98

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

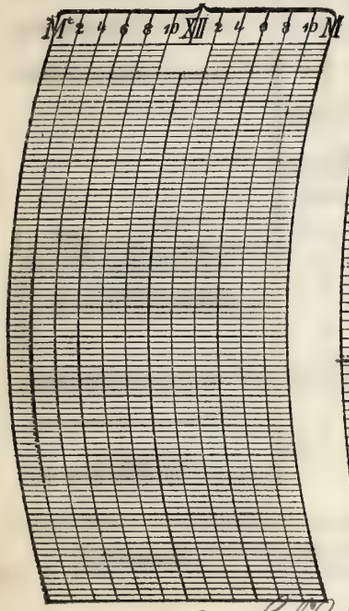
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 70 | 48 | 59 | |

Total depth of snow for 24 hours ending 7 p. m. 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear. Moon phase, New 2:33 p.
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 10.8 Possible sunshine, hours, 12.7
Per cent of possible sunshine, 85
Prevailing wind direction, S Total wind 196
Average hourly velocity, 4.4 Extreme velocity, 10
Maximum velocity, 10 Direction, S.W.
Time began, 2:13 p.m.
Reduced barometer, 30.18 7 a. m. 30.02 7 p. m.
River gage, 2.0 Feet
Relative humidity, 87 7 a. m. 67 7 p. m.

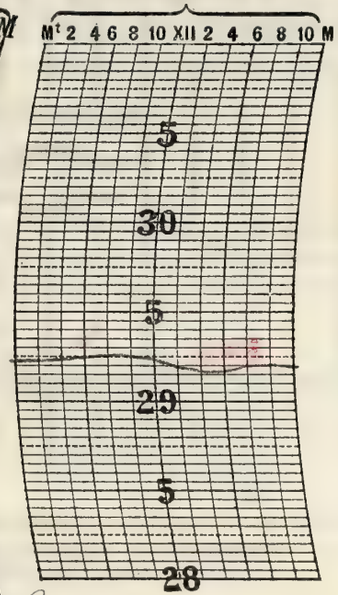
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 66.0 Wet temperature, 56.0
Dew-point, 48 R. humidity, 53 V. pressure, 33.4
Clouds: Amount, 5; Kind, Cu; Direction, S.E.
Velocity of clouds (miles per hour)

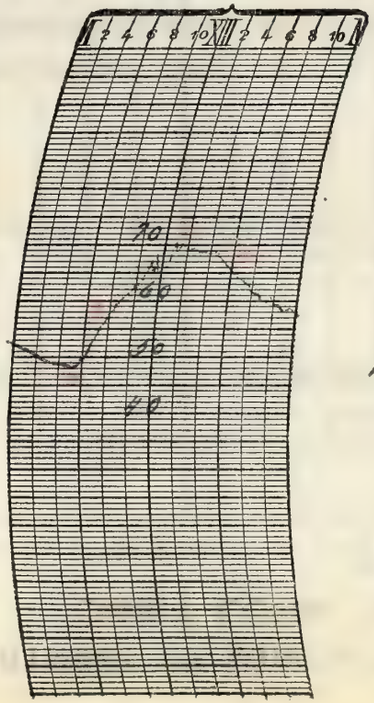
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by [illegible]

Verified by [illegible]

8—486

## NOTES.

A very heavy deposit of dew was observed on the ground at the time of the morning observation.
A partial eclipse of the sun was observed this date, the phenomena began at 2:15 p.m. and ended at 4:39 p.m. at its greatest magnitude about 30 percent of the sun was obscured.
A fine day with moderate temperatures

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) SEP 11 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 55 | 55 | 54 | 54 | 53 | 54 | 56 | 64 | 69 | 71 | 73 | 74 | 76 | 75 | 74 | 73 | 70 | 69 RB 5:01 RE 4:37 | 68 | 65 | 64 RB 8:30 | 63 | 63 | 63 RE 11:41 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | .01 | | | .01 | .01 | .17 | T |
| Cloudiness and other conditions | | | | | | ← Clear | | | | | | | | | ×N Clds → | | | ← Cloudy | | | | | | → |
| Sunrise: Time, Character, 5:19 Cloudy. Moonrise: 6:03a Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 6:47 Cloudy. Moonset: 6:39p Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 1.0 | 0.2 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0.4 | 0 | 0. | 0 | | | | | | |
| Wind direction | S | S | S | S | S | S | SW | SW | SW | SW | SW | SW | SW | S | S | SW | S | SW | SW | SW | NW | NW | NW | NW |
| Wind movement | 2 | 3 | 4 | 5 | 4 | 5 | 8 | 8 | 9 | 9 | 10 | 8 | 11 | 10 | 10 | 9 | 10 | 8 | 5 | 5 | 3 | 3 | 2 | 3 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

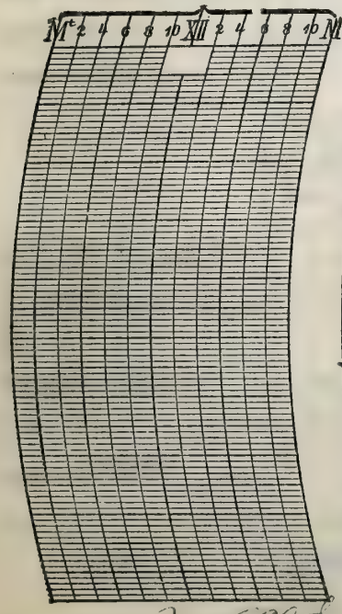
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 76 | 53 | 64 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, .17 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0–10), 4
Actual sunshine, hours 6.9 Possible sunshine, hours 12.7
Per cent of possible sunshine, 54
Prevailing wind direction, SW Total wind 65.6
Average hourly velocity, 6.6 Extreme velocity, 12
Maximum velocity, 12 Direction, S
Time began, 2:31 P.M.
Reduced barometer, 29.11 7 a. m. 29.98 7 p. m.
River gage, 1.8 Feet 7
Relative humidity, 77 7 a. m. 43 7 p. m.

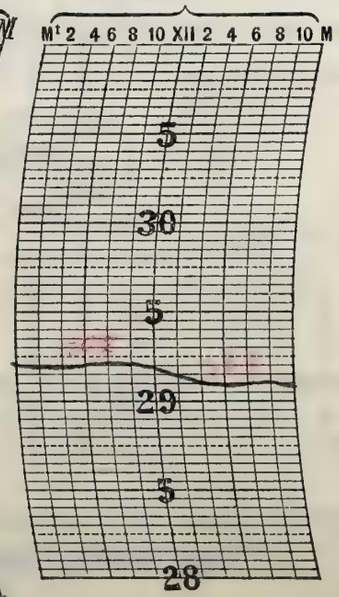
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 79.0 Wet temperature, 64.0
Dew-point, 58 R. humidity, 58 V. pressure, .482
Clouds: Amount, 4; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

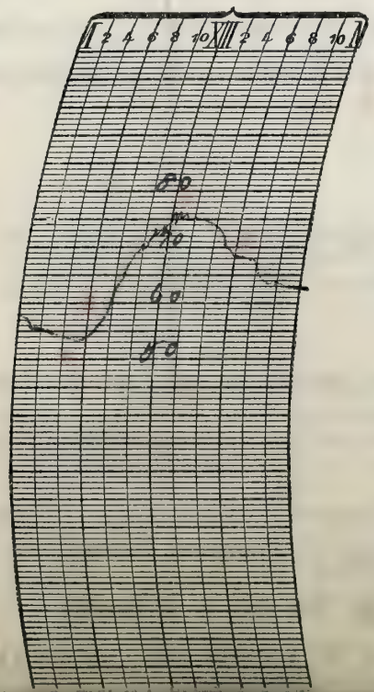
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by

Verified by

NOTES.

A fairly cloudy, cool, pleasant & dry invigorating day

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) SEP 12 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 60 | 59 | 58 | 57 | 55 | 56 | 59 | 61 | 62 | 64 | 65 | 66 | 67 | 68 | 67 | 65 | 65 | 62 | 61 | 58 | 56 | 55 | 54 | 54 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | — | | Clear | | | | × | pt. Cloudy | | | | × | Clear | | | | | | |
| Sunrise: Time, Character, | 5:19 Clear | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, | 5:06 Clear | | |
| Moonrise: | 7:15 a Clear | | | | | | | | | | | | | | | | | | | | Moonset: | 2:16 a Clear | | |
| Sunshine (in tenths of hours) | | | | | | .68 0 | 0.5 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 0.9 | 1.0 | 0.2 | 0 | .93 0 | | | | | | |
| Wind direction | NW | NW | NW | NW | NW | NW | NNW | NW | NW | NW | NW | NW | NW | NW | W | W | NW | NW | NW | W | W | SW | SW | W |
| Wind movement | 6 | 8 | 7 | 9 | 9 | 7 | 6 | 8 | 10 | 12 | 10 | 12 | 11 | 11 | 15 | 12 | 9 | 8 | 7 | 7 | 6 | 9 | 16 | 7 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

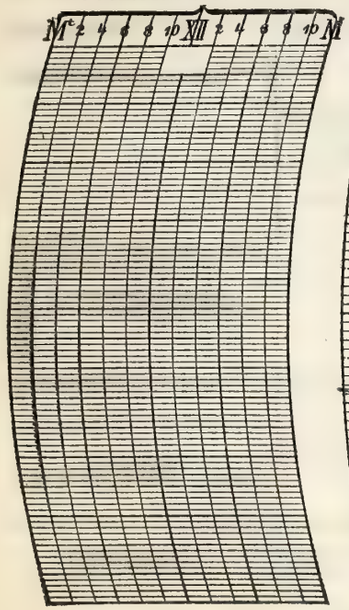
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 69 | 53 | 61 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .16 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 10.6 Possible sunshine, hours, 12.6
Per cent of possible sunshine, 84
Prevailing wind direction, NW Total wind 244
Average hourly velocity, 8.8 Extreme velocity, 17
Maximum velocity, 16 Direction, NW
Time began, 11:46 a.m.
Reduced barometer, 30.05 7 a. m. 30.03 7 p. m.
River gage, 1.17 Fall
Relative humidity, 82 7 a. m. 69 7 p. m.

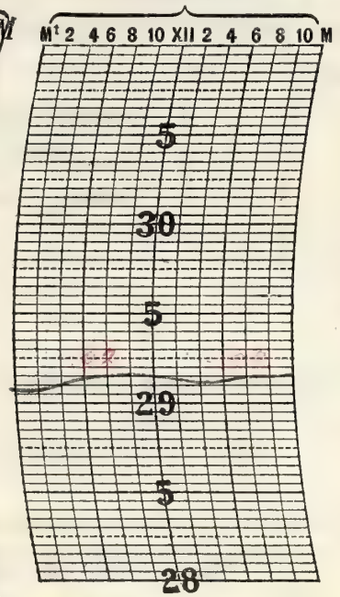
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 66.8 Wet temperature, 57.0
Dew-point, 50 R. humidity, 53 V. pressure, .36 0
Clouds: Amount, 4; Kind, Cu.; Direction, NW
Velocity of clouds (miles per hour)

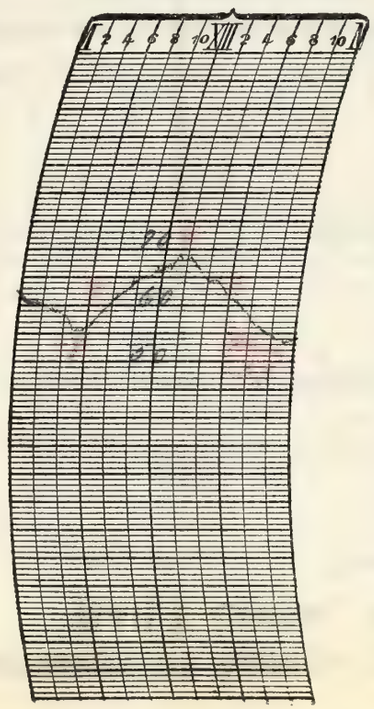
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by CDB

Verified by

8—486

## NOTES.

A clear day with moderate temperatures and very unpleasant

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) SEP 1 1927, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 52 | 51 | 50 | 49 | 47 | 49 | | 53 | 54 | 55 | 55 | 56 | 55 | 56 | 55 | 54 | 52 | 49 | | 46 | 46 | 45 | 43 | 42 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | Clear | | × Pt. Cloudy | | | | | Pt. Cloudy | | | × | Clear | | | | | | | |
| Sunrise: Time, Character, | 5:20a Cloudy | | | | | | | | | | | | | | | | | | | | Sunset: Time, 5:37p Character, Cloudy | | | |
| Moonrise: | 8:28a Clear | | | | | | | | | | | | | | | | | | | | Moonset: 2:54a Clear | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0.9 | 0.8 | 0.7 | 0.8 | 0.8 | 0.6 | 0.3 | 1.0 | 0.9 | 0.6 | 0 | | | | | | |
| Wind direction | W | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | N | N | N | N | N | N | N |
| Wind movement | 7 | 8 | 6 | 5 | 3 | 4 | 3 | 5 | 5 | 10 | 13 | 14 | 13 | 13 | 14 | 14 | 12 | 11 | 6 | 5 | 3 | 2 | 1 | 2 |
| Maximum velocities (exceeding 22 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

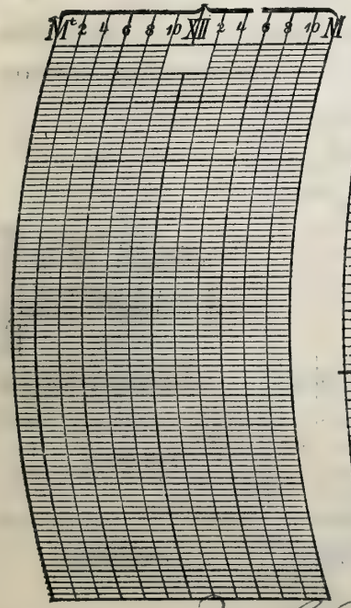
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 57 | 41 | 50 | — |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 7.4 Possible sunshine, hours, 12.6
Per cent of possible sunshine, 59
Prevailing wind direction, NW Total wind 170
Average hourly velocity, 7.0 Extreme velocity, 19
Maximum velocity, 18 Direction, N
Time began, 3:43 pm
Reduced barometer, 30.18 7 a. m. 30.25 7 p. m.
River gage, 1.6 F 22 ft.
Relative humidity, 69 7 a. m. 63 7 p. m.

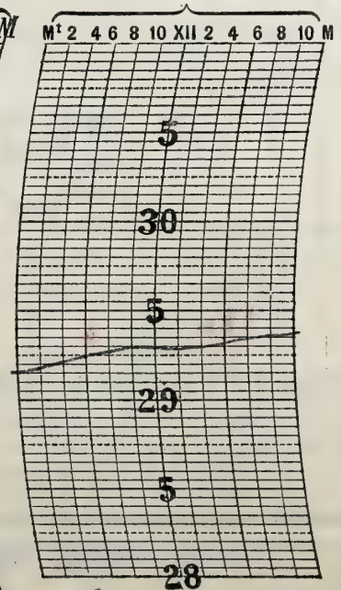
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 56.0 Wet temperature, 48.0
Dew-point, 40 R. humidity, 55 V. pressure, 247
Clouds: Amount, 7; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

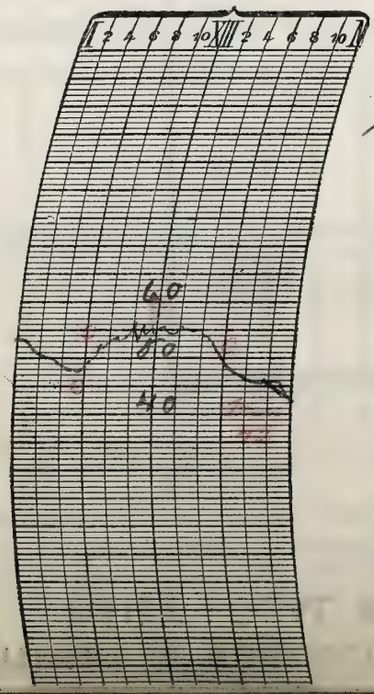
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by
Verified by

## NOTES.

Heavy downpour of rain accompanied by thunder at time of observation.
A pleasant sunday day with subnormal temperatures.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) SEP 14 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 41 | 42 | 42 | 43 | 44 | 45 | 47 | 48 | 51 | 54 | 55 | 53 | 55 | 56 | 56 | 55 | 54 | 53 | 52 | 49 | 48 | 47 | 46 | 45 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | Cloudy | | Mo Cloudy | | | | | Pt. Cloudy | | | | | | Cloudy | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0.2 | 1.0 | 0.6 | 0.9 | 0.2 | 0.3 | 0.6 | 0.3 | 0 | 0 | | | | | | |
| Wind direction | NW | NW | NW | N | N | N | NE | S | S | S | S | SW | NE | NW | N | NE | E | E | E | E | E | E | SE | SE |
| Wind movement | 1 | 2 | 1 | 1 | 1 | 2 | 2 | 5 | 7 | 5 | 6 | 5 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 3 | 4 | 3 |
| Maximum velocities (exceeding 27 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:12 Character, Cloudy
Moonrise: 9:39a Cloudy
Sunset: Time, 5:52 Character, Cloudy
Moonset: 8:35p Cloudy

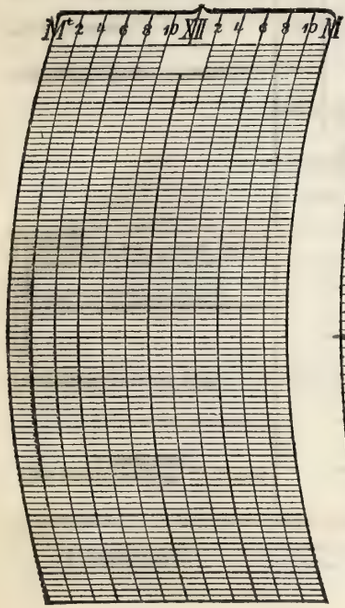
| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 55 | 41 | 49 | |

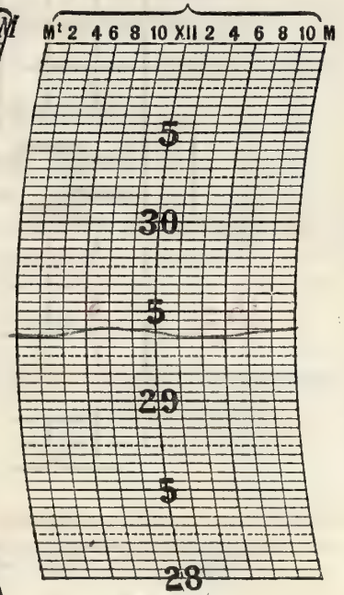
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 4.6 Possible sunshine, hours, 12.5
Per cent of possible sunshine, 33
Prevailing wind direction, E Total wind 86
Average hourly velocity, 5 Extreme velocity, 9
Maximum velocity, 9 Direction, SW
Time began, 8:08 a.m.
Reduced barometer, 30.54 7 a. m. 30.30 7 p. m.
River gage, 4.4 Feet
Relative humidity, 71 7 a. m. 63 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 54.3 Wet temperature, 46.0
Dew-point, 37 R. humidity, 52 V. pressure, 219
Clouds: Amount, 5; Kind, Cu.; Direction, NW
Velocity of clouds (miles per hour)

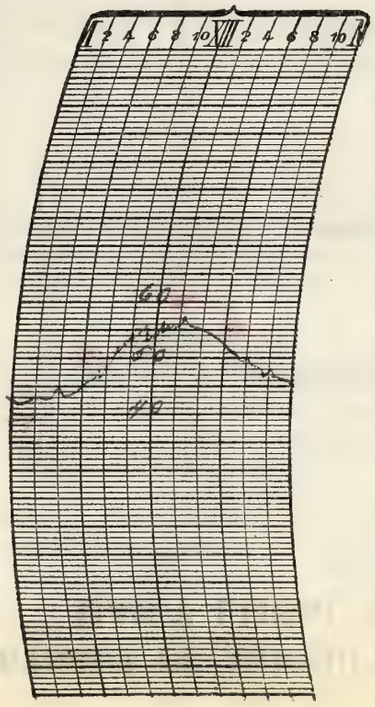
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by

Verified by C. M. Donough

8—486

## NOTES.

The night of the 13th-14th was cold and clear with a light westerly wind. A light frost occured during the night but on account of the advent of Sunday mean daylight saving time was discontinued before Saturday night. A frosty Sunday and cool pleasant day.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) SEP 13 1921, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 44 | 43 | 43 | 43 | 41 | 41 | 44 | 50 | 53 | 57 | 59 | 57 | 61 | 60 | 59 | 59 | 56 | 54 | 53 | 51 | 49 | 48 | 47 | 46 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | 2 | ← Clear → | | | | | × | Pt. Cloudy | | | | × | ← Clear → | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0.2 | 0.5 | 1.0 | 1.0 | 0.9 | 0.1 | 0.8 | 0.5 | 0 | 0 | 0 | | | | | | |
| Wind direction | E | SE | SE | SE | SE | SE | SE | S | S | S | SE | S | E | E | SE | E | E | E | E | E | SE | SE | E | SE |
| Wind movement | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 4 | 4 | 4 | 6 | 5 | 4 | 5 | 4 | 5 | 6 | 6 | 5 | 4 | 5 | 5 | 6 | 4 |
| Maximum velocities (exceeding 20 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5.21 Character, Cloudy
Moonrise: 10.48P Character, Clear
Sunset: Time, 7.55 Character, Clear
Moonset: 9.20P Character, Clear

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

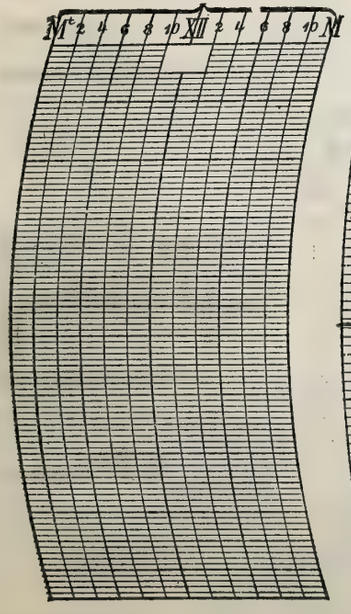
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 61 | 40 | 50 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0–10), 3
Actual sunshine, hours, 6.4 Possible sunshine, hours, 12.5
Per cent of possible sunshine, 51
Prevailing wind direction, SE Total wind 109
Average hourly velocity, 4.5 Extreme velocity, 10
Maximum velocity, 10 Direction, SE
Time began, 8.53 a.m.
Reduced barometer, 30.38 7 a. m. 30.34 7 p. m.
River gage, 4.4 Fall
Relative humidity, 68 7 a. m. 58 7 p. m.

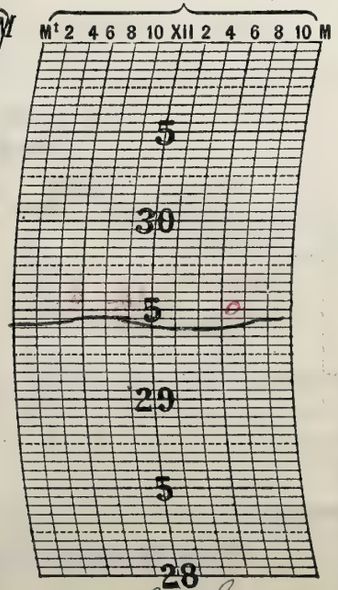
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 60.4 Wet temperature, 50.0
Dew-point, 40 R. humidity, 47 V. pressure, .247
Clouds: Amount, 4; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

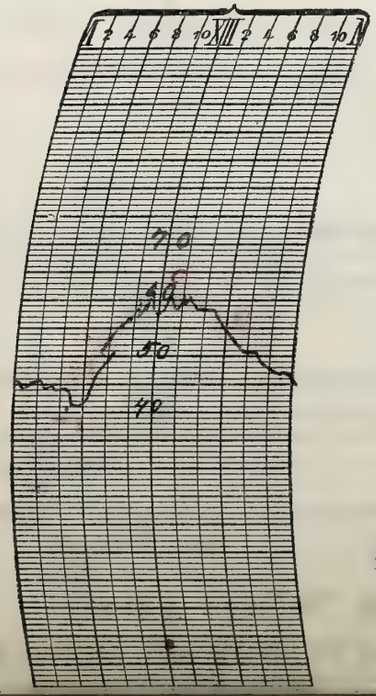
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by CDS
Verified by P McDonough

NOTES.

Slight frost occurred this morning. A clear and rather cool and invigorating day.

FORM NO. 1011—M.C.V.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) SEP 16 1921, 192

Time (local standard), 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 44 | 43 | 42 | 42 | 41 | 41 | 43 | 52 | 57 | 60 | 62 | 64 | 65 | 66 | 66 | 65 | 62 | 59 | 58 | 55 | 52 | 51 | 50 | 49 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear — | | | | | | | | | | | | | | | | | | |
| | Sunrise: Time, 5:22 Character, Clear | | | | | | | | | | | | | | | | | | | | Sunset: Time, 5:49 Character, Cloudy | | | |
| | Moonrise: 10:55a Cloudy | | | | | | | | | | | | | | | | | | | | Moonset: 10:09p Clear | | | |
| | | | | | | .63 | 1.0 | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 1.0 | 0.6 | 0.7 | 0.7 | 0 | 0 | | | | | | |
| Wind direction | E | E | SE | E | E | E | E | E | E | E | SE | E | E | E | E | E | E | E | E | E | E | E | E | E |
| Wind movement | 5 | 3 | 1 | 6 | 4 | 5 | 5 | 6 | 6 | 9 | 8 | 10 | 8 | 7 | 9 | 10 | 7 | 5 | 8 | 10 | 11 | 10 | 9 | 7 |
| Maximum velocities (exceeding 25 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

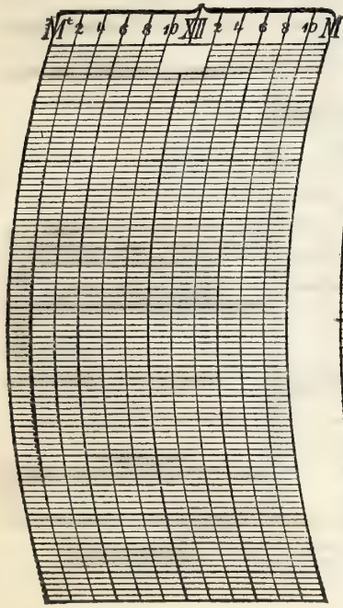
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 66 | 41 | 54 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 9.5 Possible sunshine, hours, 12.4
Per cent of possible sunshine, 77
Prevailing wind direction, E Total wind 166
Average hourly velocity, 7.0 Extreme velocity, 15
Maximum velocity, 13 Direction, E
Time began, 8:18 p.m.
Reduced barometer, 30.41 7 a. m. 30.32 7 p. m.
River gage, 1.4 Feet
Relative humidity, 78 7 a. m. 52 7 p. m.

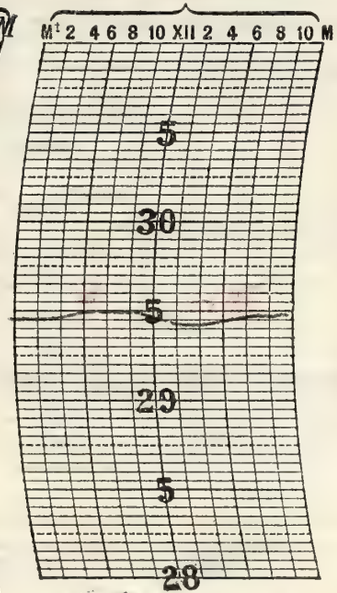
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 62.0 Wet temperature, 52.0
Dew-point, 43 R. humidity, 50 V. pressure, .222
Clouds: Amount, 5; Kind, Cu St; Direction, NW
Velocity of clouds (miles per hour)

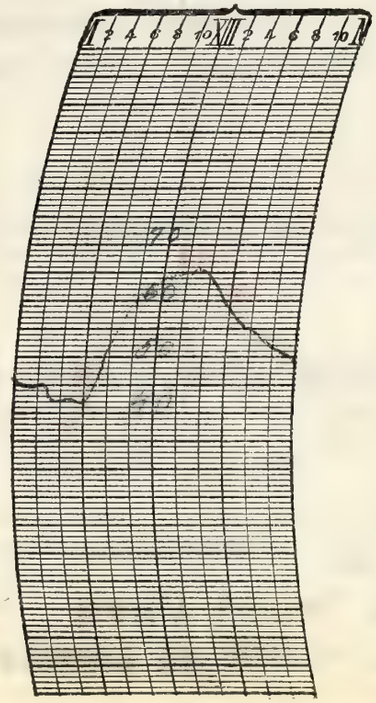
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by

Verified by C. McDonough

8—486

NOTES.

Light frost occurred this morning. Partly cloudy and cool and very pleasant day.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) SEP 17 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 47 | 46 | 45 | 45 | 43 | 44 | 46 | 52 | 65 | 69 | 72 | 73 | 75 | 77 | 77 | 76 | 74 | 72 | 75 | 70 | 69 | 68 | 67 | 67 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear — | | | | | | × | Pt. Cloudy — | | | | × | Cloudy | | | | | | → |
| Sunrise: Time, Character, | 6:23 Clear | | | | | | | | | | | | | | | | | | | | Sunset: Time, 5:47 Character, Cloudy | | | |
| Moonrise: | 12:56P Cloudy | | | | | | | | | | | | | | | | | | | | Moonset: 11:03P Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | .6 | 2 | 1.0 | 0.4 | | | | | | | | | | | | | | | |
| | | | | | | 0 | 0 | 0.6 | 0.9 | 1.0 | 1.0 | 1.0 | 0.9 | 0.9 | 1.0 | 0.2 | 0 | 0 | | | | | | |
| Wind direction | E | E | E | E | E | E | E | E | E | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | S | S | S |
| Wind movement | 8 | 9 | 7 | 6 | 6 | 6 | 5 | 5 | 4 | 6 | 7 | 7 | 7 | 6 | 6 | 5 | 4 | 4 | 4 | 6 | 6 | 6 | 6 | 8 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

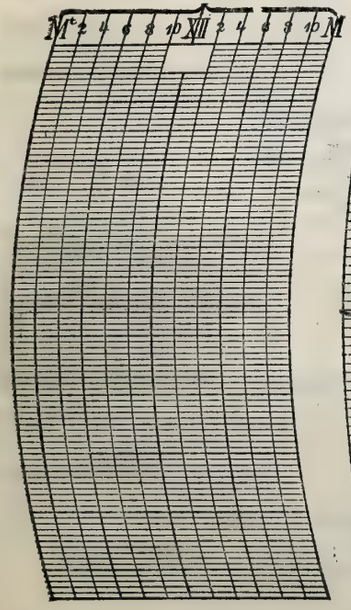
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 77 | 43 | 60 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase, EQ-6:04P.M.
Average daily cloudiness (0–10), 4
Actual sunshine, hours, 8.5 Possible sunshine, hours, 12.4
Per cent of possible sunshine, 77
Prevailing wind direction, SE Total wind 142
Average hourly velocity, 5.9 Extreme velocity, 11
Maximum velocity, 11 Direction, E
Time began, 1:25P.M.
Reduced barometer, 30.43 7 a. m. 30.27 7 p. m.
River gage, 1.3 Feet
Relative humidity, 81 7 a. m. 51 7 p. m.

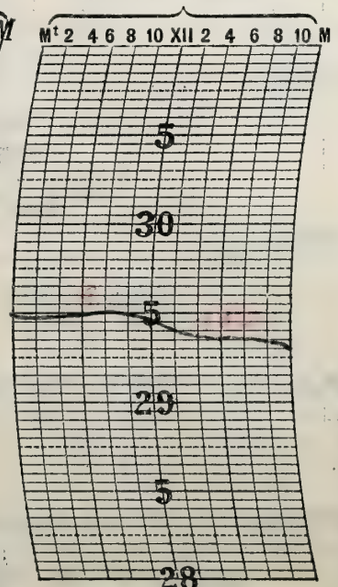
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 71.6 Wet temperature, 60.0
Dew-point, 52 R. humidity, 57 V. pressure, 38.7
Clouds: Amount, 4; Kind, AST; Direction, NW
Velocity of clouds (miles per hour)

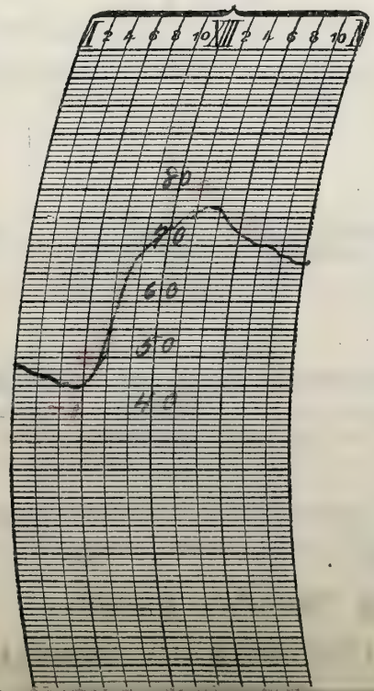
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by CLS

Verified by P. McDonough

NOTES.

A partly cloudy and cool pleasant day with rising temperature

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) SEP 19 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 68 | 67 | 66 | 65 | 66 | 64 | 64 | 66 | 66 | 66 | 66 | 66 | 67 | 68 | 68 | 68 | 67 | 67 | 67 | 67 | 67 | 65 | 64 | 63 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | RB DN4 | | | | | Missing after 8 a.m. | | | | | RE 1:10 | | RB 3:45 | RE 4:30 | RB 5:00 | | | | | RE DNP | |
| Amounts of precipitation | | | | .01 | .01 | .01 | .05 | .09 | T | T | T | T | T | T | | T | T | .01 | .01 | T | .01 | .01 | .01 | |
| Cloudiness and other conditions | | | | | | Cloudy | | | | | | | | | | Cloudy | | | | | | | | |
| Sunrise: Time, Character, | 6:24 Cloudy | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, | 5:46 Cloudy | | |
| Moonrise: | 1:57p Cloudy | | | | | | | | | | | | | | | | | | | | Moonset: | 11:52p | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | S | S | S | SW | SW | S | S | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | N | N |
| Wind movement | 7 | 11 | 10 | 9 | 8 | 10 | 11 | 12 | 9 | 13 | 14 | 12 | 12 | 11 | 11 | 11 | 11 | 10 | 7 | 2 | 8 | 4 | 7 | 6 |
| Maximum velocities (exceeding 27 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

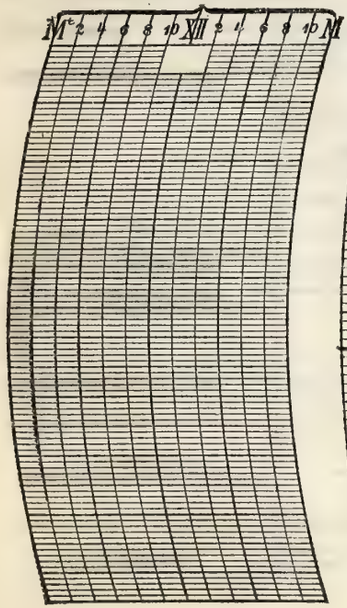
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 68 | 63 | 66 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .05 ins.; to 2 p. m., .14 ins.
Total precipitation, midnight to midnight, 2.2 inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 12.4
Per cent of possible sunshine, 0
Prevailing wind direction, SW Total wind 231
Average hourly velocity, 9.6 Extreme velocity, 16
Maximum velocity, 16 Direction, SW
Time began, 9:15 a.m.
Reduced barometer, 30.13 7 a. m. 30.03 7 p. m.
River gage, 1.4 Fall
Relative humidity, 95 7 a. m. 92 7 p. m.

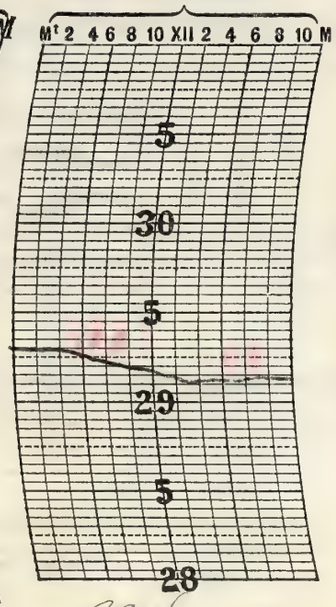
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 66.0 Wet temperature, 65.0
Dew-point, 64 R. humidity, 95 V. pressure, .593
Clouds: Amount, 10; Kind, Nb; Direction, SW
Velocity of clouds (miles per hour)

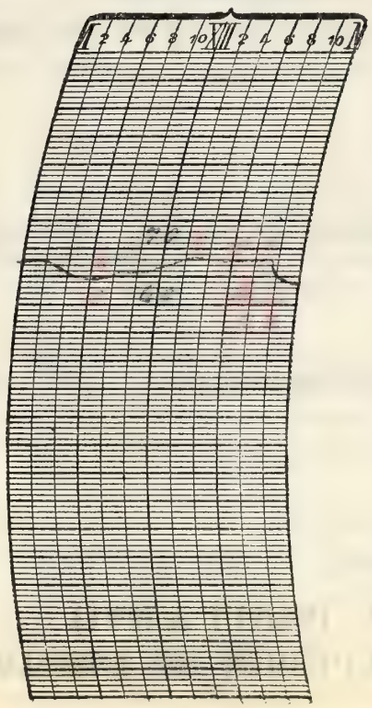
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by C. R. S.
Verified by C. M. Donoughy

8—486

## NOTES.

A cloudy day with moderate temperatures and intermittent showers of rain and mist

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) SEP 11 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 63 | 61 | 61 | 60 | 59 | 59 | 60 | 60 | 59 | 60 | 60 | 62 | 65 | 65 | 66 | 65 | 64 | 63 | 63 | 63 | 62 | 62 | 60 | 59 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | RB 9:45 | RE 10:30 | | | | | | | | | | RB 8:25 | | | |
| State of weather: Amounts of precipitation | | | | | | | | | | T | T | | | | | | | | | | T | T | .03 | .05 |
| State of weather: Cloudiness and other conditions | | | | | | ← | | | Cloudy | | | | | | Cloudy | | | | | | | | | → |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | N | N | N | N | N | N | N | E | NE | E | E | E | E | E | E | E | E | E | E | E | SE | SE | E | E |
| Wind movement | 5 | 5 | 4 | 5 | 3 | 3 | 6 | 6 | 7 | 6 | 5 | 4 | 4 | 4 | 5 | 4 | 4 | 6 | 5 | 4 | 5 | 6 | 6 | 6 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time 5:26, Character Cloudy
Moonrise: 2:40 P, Character Cloudy
Sunset: Time 5:44, Character Cloudy
Moonset:

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

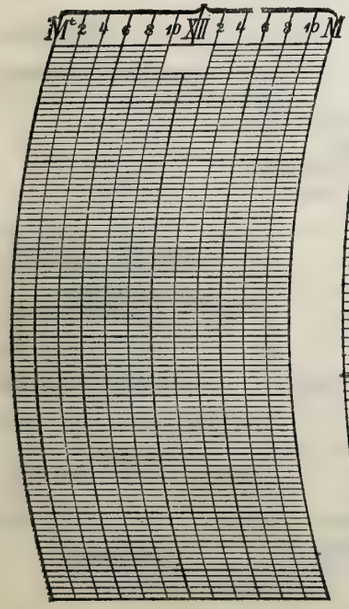
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 66 | 59 | 62 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .03 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .08 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.4 Possible sunshine, hours, 12.3
Per cent of possible sunshine, 3
Prevailing wind direction, E Total wind 111
Average hourly velocity, 4.6 Extreme velocity, 24
Maximum velocity, 12 Direction, NE
Time began, 6:43 p.m.
Reduced barometer, 29.08 7 a. m. 29.96 7 p. m.
River gage, 1.8 Fee
Relative humidity, 94 7 a. m. 89 7 p. m.

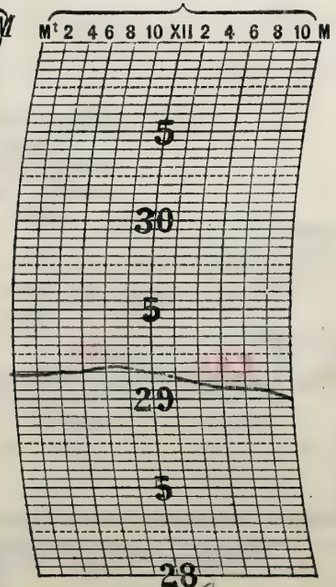
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 59.8 Wet temperature, 58.4
Dew-point, 58 R. humidity, 92 V. pressure, .482
Clouds: Amount, 10; Kind, St; Direction, E
Velocity of clouds (miles per hour)

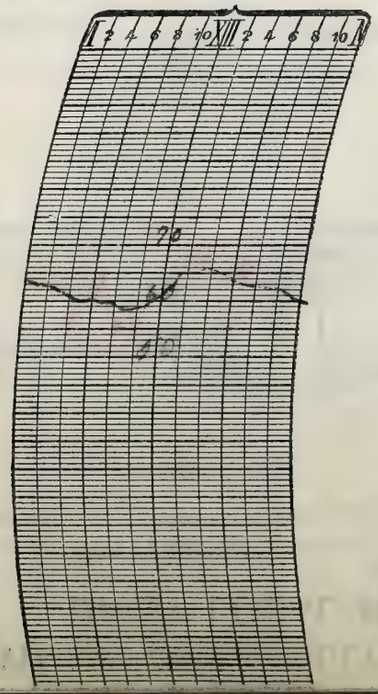
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by
Verified by P. McDonough

## NOTES.

A Cloudy day with moderate temperatures

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) SEP 20 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 59 | 59 | 59 | 60 | 60 | 60 RE DNA | 61 | 66 | 71 | 75 | 77 | 77 | 78 | 79 | 76 | 72 RB 3:00 RE 3:45 | 71 | 69 | 69 AB 6:37 RE 6:49 | 66 | 66 | 64 | 64 | 63 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | .16 | .13 | .06 | .25 | .10 | .08 | | | | | | | | | | .04 | | | .02 | | | | | |
| Cloudiness and other conditions | ← Cloudy — × Pt Cloudy × Cloudy × Pt Clear — Clear × Pt Cloudy → | | | | | | | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0.6 | 1.0 | 1.0 | 1.0 | 0.6 | 0.1 | 0.2 | 0 | | | | | | |
| Wind direction | E | E | E | E | E | NE | E | E | E | E | SW | S | S | S | SW | S | S | S | S | W | W | W | W | W |
| Wind movement | 8 | 9 | 7 | 8 | 6 | 7 | 6 | 4 | 3 | 3 | 11 | 15 | 17 | 14 | 11 | 7 | 5 | 7 | 8 | 10 | 8 | 5 | 5 | 5 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time 5:22 Character Cloudy
Moonrise: 3:23 p Character Cloudy
Sunset: Time 5:42 Character Cloudy
Moonset: 12:57 a

| | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

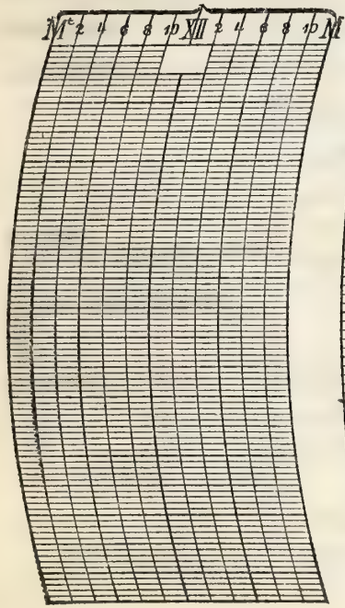
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 80 | 59 | 70 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .86 ins.; to 7 p. m., .16 ins.
Total precipitation, midnight to midnight, 1.00 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 4.5 Possible sunshine, hours, 12.2
Per cent of possible sunshine, 37
Prevailing wind direction, E Total wind 189
Average hourly velocity, 7.9 Extreme velocity, 20
Maximum velocity, 19 Direction, S
Time began, 12:18 p m
Reduced barometer, 29.25 7 a. m. 29.21 7 p. m.
River gage, 1.8 Feet.
Relative humidity, 92 7 a. m. 88 7 p. m.

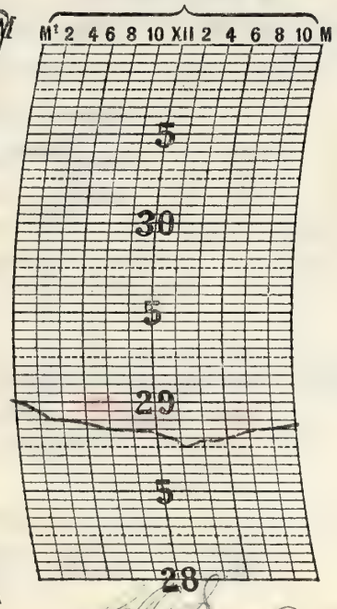
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 77.2 Wet temperature, 69.8
Dew-point, 66 R. humidity, 69 V. pressure, .638
Clouds: Amount, 5; Kind, Cu; Direction, S W
Velocity of clouds (miles per hour)

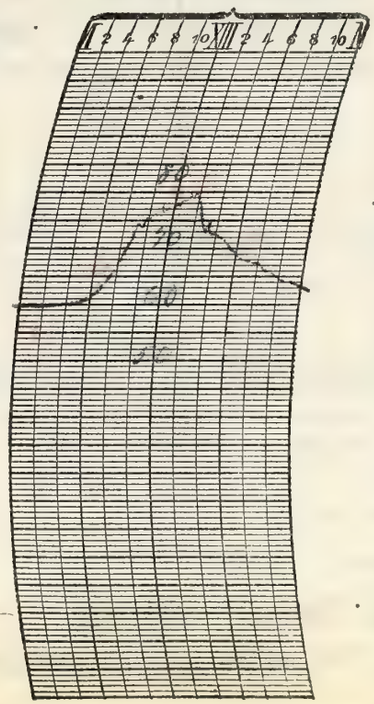
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by
Verified by O. M. Donough

8—486

## NOTES.

1st Fog began — 0.00 a.m.
1st Fog ended — 9:06 a.m.
A light thunder storm, moving from the southwest and accompanied by light precipitation began at 3:03 p.m. and ended at 3:52 p.m.
A foggy cloudy day with moderate temperatures and occasional showers.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) SEP 21 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 61 | 61 | 61 | 61 | 60 | 60 | 61 | 62 HB 7:28 | 59 | 58 | 59 RE 10:17 | 59 | 59 | 58 | 59 | 59 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | T | T | .01 | T | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | Cloudy | | | | → | ← | | | Cloudy | | | | | | | | → |
| | Sunrise: Time, 5:27 Character, Cloudy. Moonrise: 4:03 p Cloudy | | | | | | | | | | | | | | | | | | | | Sunset: Time, 5:41 Character, Cloudy. Moonset: 1:58 a | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | SW | N | N | N | N | N | N | N | N | N | N | N | NE | N | NE | NE |
| Wind movement | 5 | 6 | 6 | 5 | 4 | 6 | 7 | 6 | 6 | 9 | 9 | 9 | 9 | 8 | 9 | 8 | 7 | 6 | 6 | 6 | 6 | 5 | 8 | 7 |
| Maximum velocities (exceeding ___ miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

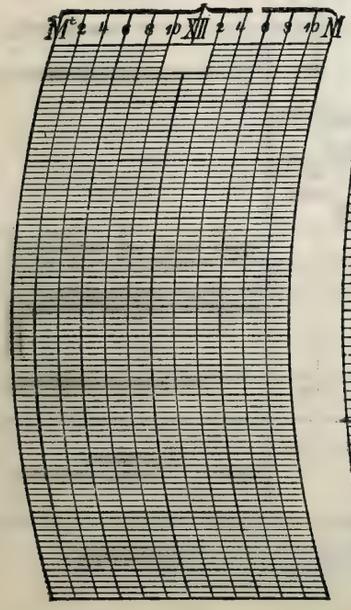
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 63 | 57 | 60 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 9.0
Actual sunshine, hours, 0 Possible sunshine, hours, 11.2
Per cent of possible sunshine, 0
Prevailing wind direction, N. Total wind 163
Average hourly velocity, 6.8 Extreme velocity,
Maximum velocity, 12 Direction, N
Time began, 2:17 pm
Reduced barometer, 29.89 7 a. m. 30.08 7, p. m.
River gage, 3.3 Fall
Relative humidity, 92 7 a. m. 85 7 p. m.

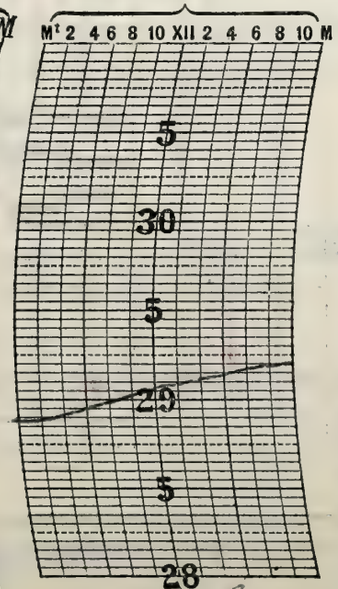
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 59.2 Wet temperature, 57.0
Dew-point, 56 R. humidity, 88 V. pressure, .448
Clouds: Amount, 10; Kind, St Cu; Direction, N.
Velocity of clouds (miles per hour)

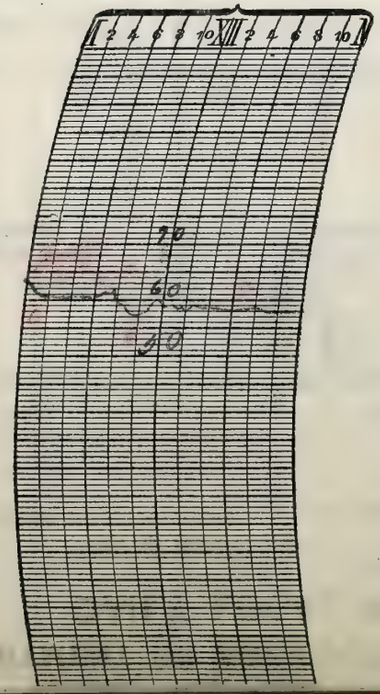
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by CWS

Verified by P. McDonough

NOTES.

A cloudy and moderately cool day with a drizzling shower in the morning.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) SEP 22 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 58 | 58 | 58 | 58 | 57 | 57 | 56 | 57 | 58 | 62 | 64 | 64 | 65 | 66 | 68 | 68 | 67 | 66 | 66 | 65 | 63 | 61 | 60 | 59 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | Cloudy | | | → | | | Cloudy | | | | | | 7 PM Cloudy → | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0.5 | 0.8 | 0.3 | 0.1 | 0 | 0.9 | 0.2 | 0 | 0 | | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | E | E | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE |
| Wind movement | 6 | 6 | 5 | 4 | 4 | 4 | 6 | 5 | 4 | 3 | 5 | 6 | 4 | 4 | 4 | 5 | 5 | 4 | 3 | 3 | 4 | 6 | 5 | 5 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:28 Character, Cloudy
Moonrise: 4:38p Cloudy
Sunset: Time, 5:39 Character, Cloudy
Moonset: 2:58a

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

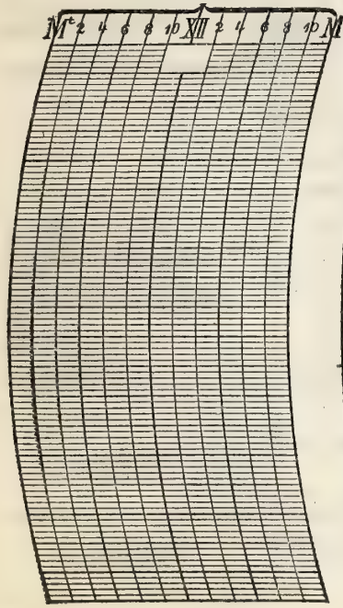
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 69 | 56 | 62 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 2.7 Possible sunshine, hours, 12.2
Per cent of possible sunshine, 22
Prevailing wind direction, NE. Total wind 11.0
Average hourly velocity, 4.6 Extreme velocity, 8
Maximum velocity, 8 Direction, NE.
Time began, 12:11 a.m.
Reduced barometer, 30.19 7 a. m. 30.15 7 p. m.
River gage, 3.7 Feet
Relative humidity, 94 7 a. m. 84 7 p. m.

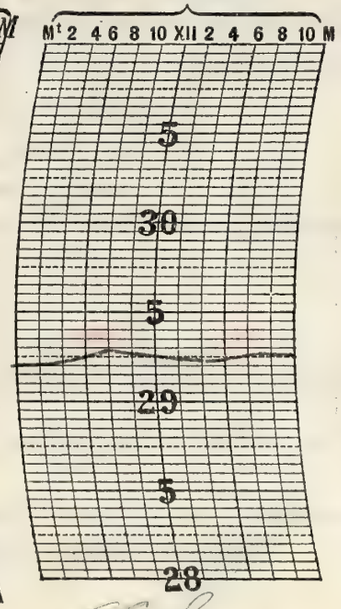
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 64.9 Wet temperature, 59.8
Dew-point, 57 R. humidity, 75 V. pressure, .465
Clouds: Amount, 10; Kind, St Cu.; Direction, E
Velocity of clouds (miles per hour)

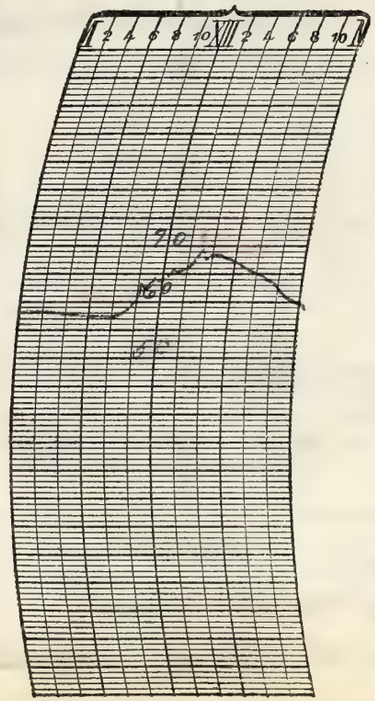
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by J. M. S.
Verified by P. McDonough

8—486

## NOTES.

A cloudy and moderately cool day.
The late night was resplendent with bright moonlight

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) SEP 23 1923, 192

Time (local standard), 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 58 | 58 | 58 | 59 | 59 | 58 | 58 | 58 | 58 | 60 | 62 | 66 | 70 | 71 | 72 | 71 | 71 | 70 | 68 | 66 | 64 | 64 | 61 | 61 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Foggy | | | | Cloudy | | | Pt. Cloudy | | | | | → Clear | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0.2 | 1.0 | 0.5 | 0.9 | 0.5 | 0.5 | 0.6 | 0 | 0 | | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | NE | NE | N | NE | NE | NE | E | E | NE | E | E | E | E | 0 | NE | NE | 0 |
| Wind movement | 4 | 4 | 4 | 2 | 4 | 3 | 2 | 2 | 1 | 2 | 2 | 2 | 3 | 4 | 3 | 3 | 3 | 2 | 1 | 3 | 0 | 2 | 1 | 0 |
| Maximum velocities (exceeding 22 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:29 Character, Foggy
Moonrise: 5:09p Cloudy
Sunset: Time, 6:22 Character, Cloudy
Moonset: 2:59a

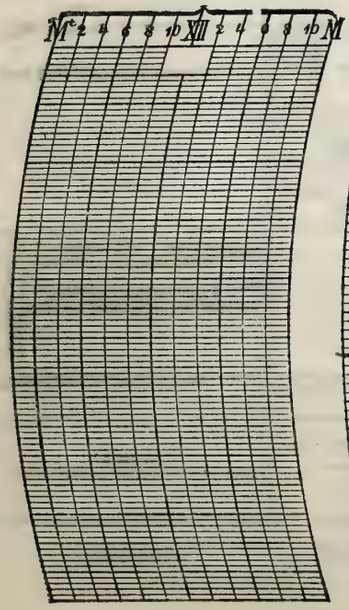
| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 73 | 57 | 65 | |

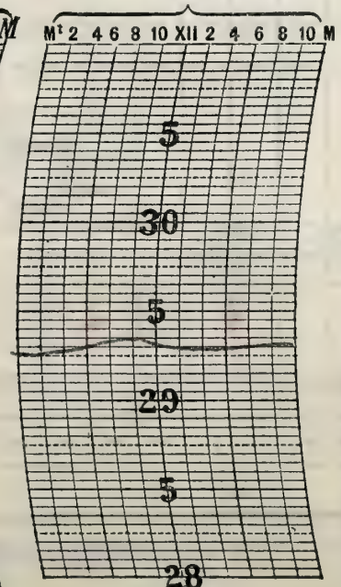
Total depth of snow for 24 hours ending 2 p. m., 0 inches.
Snow, sleet, and hail on ground 2 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 2 a. m., 0 ins.; to 2 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 4.2 Possible sunshine, hours, 12.1
Per cent of possible sunshine, 35
Prevailing wind direction, NE. Total wind 59
Average hourly velocity, 2.5 Extreme velocity, 6
Maximum velocity, 6 Direction, E
Time began, 1:39 p.m.
Reduced barometer, 30.23 a. m. 30.22 p. m.
River gage, 3.0 Feet.
Relative humidity, 100 a. m. 81 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 68.0 Wet temperature, 63.0
Dew-point, 60 R. humidity, 76 V. pressure, .517
Clouds: Amount, 6; Kind, Cu.; Direction, NE
Velocity of clouds (miles per hour)

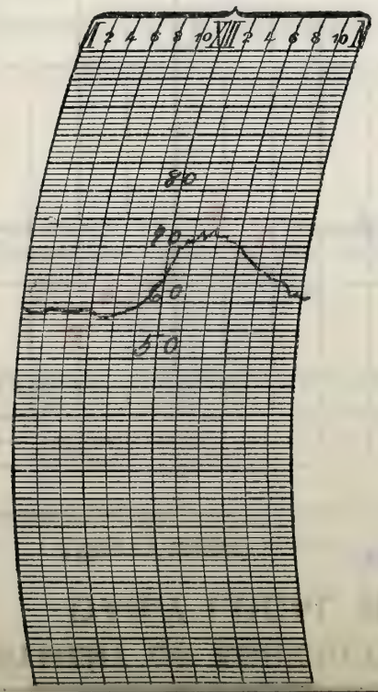
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by CLS
Verified by P. McDonough

## NOTES.

Autumnal equinox, autumn commences this date at 8:04 pm, a sparkling, cloudy, cool, very pleasant and brisk sunshiny day. Brilliant moonlight at night.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) SEP 24 1923, 192

Time (local standard). 90 mer. normal time.

| | A. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 59 | 58 | 58 | 57 | 57 | 56 | 55 | 61 | 67 | 69 | 71 | 73 | 74 | 75 | 76 | 75 | 73 | 71 | 69 | 68 | 65 | 64 | 63 | 62 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | 2 | — | Clear | — | | | | x | Pt. Cloudy | x | — | Clear | — | | | | | | → |
| Sunrise: Time, Character, 5:38 Clear. Moonrise: 5:38p Clear | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 5:36 Clear. Moonset: 4:58a Clear | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0.7 | 1.0 | 1.0 | 1.0 | 0.6 | 0.4 | 0.7 | 0.9 | 0.8 | 0 | 0 | | | | | | |
| Wind direction | NE | 0 | NE | NE | NE | NE | NE | NE | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E |
| Wind movement | 2 | 0 | 2 | 2 | 2 | 2 | 5 | 3 | 3 | 7 | 5 | 6 | 5 | 5 | 6 | 5 | 5 | 4 | 6 | 4 | 6 | 7 | 7 | 4 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

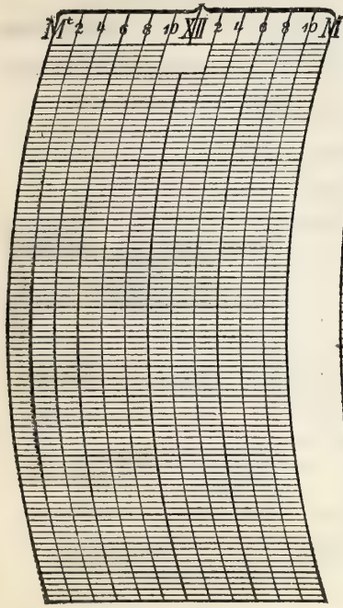
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 76 | 56 | 66 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear. Moon phase, Full 7:16 p.m.
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 10.7 Possible sunshine, hours, 12.1
Per cent of possible sunshine, 88
Prevailing wind direction, E Total wind 166
Average hourly velocity, 4.3 Extreme velocity, 9
Maximum velocity, 9 Direction, E
Time began, 11:18 a.m.
Reduced barometer, 30.28 7 a. m. 30.18 7 p. m.
River gage, 3.3 Feet.
Relative humidity, 94 7 a. m. 72 7 p. m.

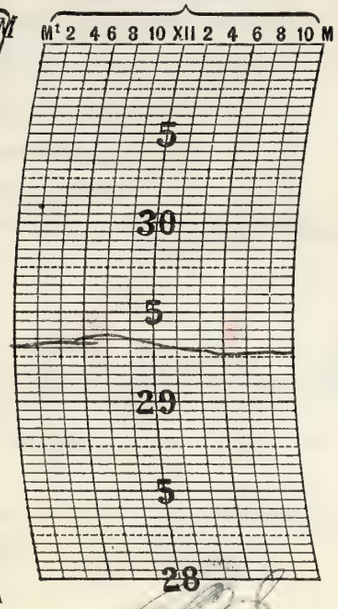
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 73.0 Wet temperature, 64.0
Dew-point, 59 R. humidity, 61 V. pressure, 49.9
Clouds: Amount, 5; Kind, Cu; Direction, NE
Velocity of clouds (miles per hour)

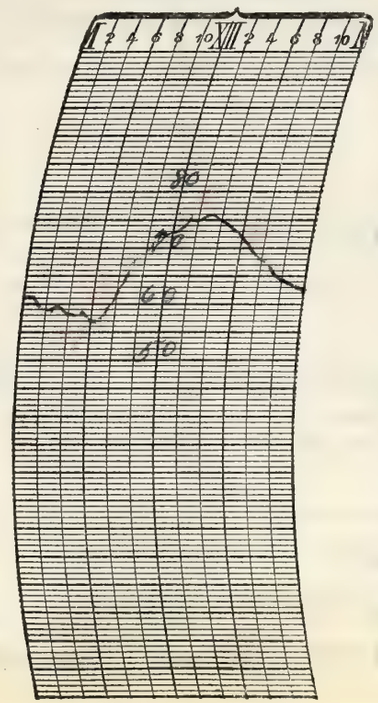
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by

Verified by T. McDonough

8—486

## NOTES.

Heavy dew occurred on the early morning. A clear and very pleasant day with moderate temperatures. Brilliant moonlight at night.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Tuesday, (Date) SEP 25 1928, 192

Time (local standard), 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 63 | 63 | 63 | 62 | 61 | 61 | 61 | 61 | 62 | 66 | 73 | 77 | 81 | 79 | 78 | 77 | 76 | 76 | 75 | 72 | 70 | 69 | 68 | 67 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | Fog | | | | Cloudy | | | | | | | Cloudy | | | | | | | |
| Sunrise: Time, Character, 5:31 Fog | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 5:34 Cloudy | | | |
| Moonrise: 6:18 p Cloudy | | | | | | | | | | | | | | | | | | | | | Moonset: 5:56 a Fog | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0.6 | 1.0 | 1.8 | 1.0 | 0.2 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | SE | S | S | S | S | S |
| Wind movement | 4 | 5 | 5 | 6 | 6 | 7 | 5 | 5 | 6 | 4 | 5 | 7 | 3 | 4 | 6 | 6 | 5 | 2 | 4 | 4 | 3 | 5 | 4 | 3 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

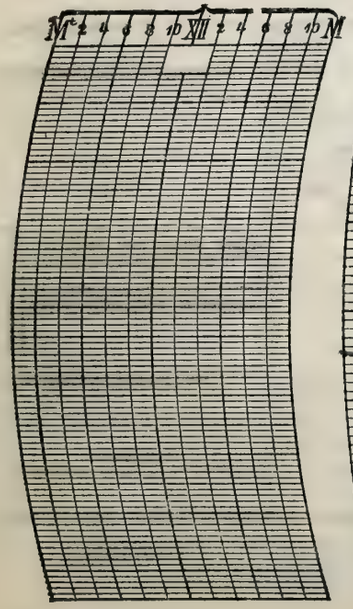
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 81 | 61 | 71 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 1 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 7
Actual sunshine, hours, 4.8 Possible sunshine, hours, 12.0
Per cent of possible sunshine, 40
Prevailing wind direction, E Total wind 111
Average hourly velocity, 4.6 Extreme velocity, 9
Maximum velocity, 9 Direction, NE
Time began, 2:45 p.m.
Reduced barometer, 30.11 7 a. m. 30.04 7 p. m.
River gage, 2.7 Feet
Relative humidity, 100 7 a. m. 55 7 p. m.

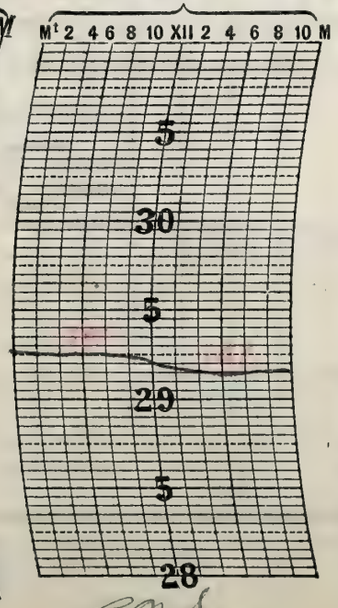
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 76.0 Wet temperature, 67.8
Dew-point, 64 R. humidity, 66 V. pressure, 595
Clouds: Amount, 8; Kind, Ci St; Direction, NW
Velocity of clouds (miles per hour)

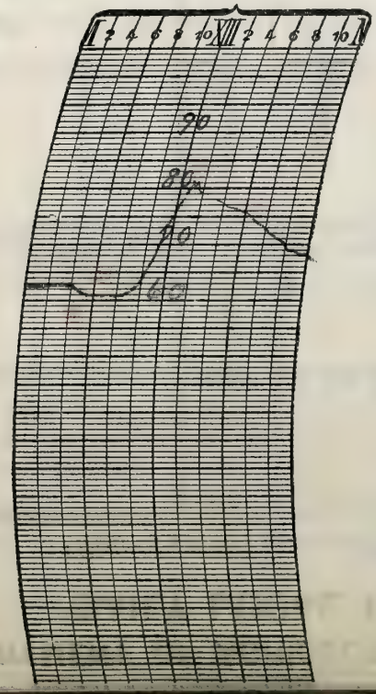
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by COS
Verified by P. McDonough

## NOTES.

Dense fog began - 10 P.M.
Dense fog ended - 8:15 a.m.
Light fog began - 8:15 a.m.
Light fog ended 9:10 a.m.
A cloudy day with moderate temperatures. The night was illuminated with bright moonlight after 7:45 p.m.
A portion of a bright solar halo of 22° radius was observed from 11:20 a.m. until 12:33 p.m.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) SEP 26 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 66 | 64 | 64 | 61 | 60 | 61 | 64 | 68 | 74 | 77 | 79 | 80 | 80 | 80 | 79 | 78 | 76 | 74 | 74 | 72 | 70 | 69 | 68 | 68 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | Clear | | | | → | Pt. Cloudy | | ×- | Cloudy | ×- | | Pt. Cloudy | × | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 1.0 | 0.6 | 0 | 0 | | | | | | |
| Wind direction | S | S | S | S | S | 0 | S | S | SW | S | S | S | SW | SW | SW | SW | S | S | S | S | S | S | S | S |
| Wind movement | 2 | 2 | 2 | 1 | 1 | 0 | 2 | 5 | 5 | 8 | 8 | 10 | 9 | 9 | 9 | 8 | 6 | 6 | 3 | 5 | 2 | 1 | 2 | 2 |
| Maximum velocities (exceeding 20 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:32 Character, Cloudy
Moonrise: 6:37p Cloudy
Sunset: Time, 5:29 Character, Cloudy
Moonset: 6:03a Cloudy

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

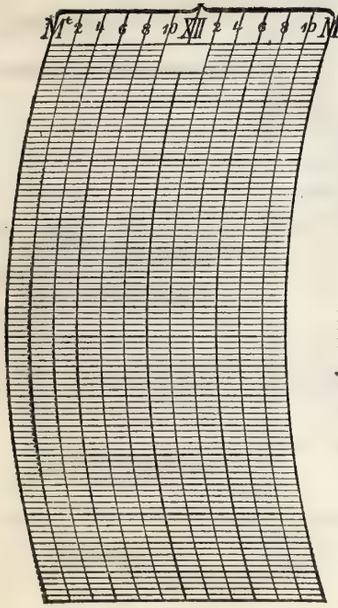
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 81 | 60 | 70 | × |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), ×
Actual sunshine, hours, 8.3 Possible sunshine, hours, 12.0
Per cent of possible sunshine, 69
Prevailing wind direction, S Total wind 108
Average hourly velocity, 4.5 Extreme velocity, 12
Maximum velocity, 12 Direction, S
Time began, 12:11 p.m.
Reduced barometer, 30.05 7 a. m. 30.01 7 p. m.
River gage, 2.9 Feet.
Relative humidity, 82 7 a. m. 62 7 p. m.

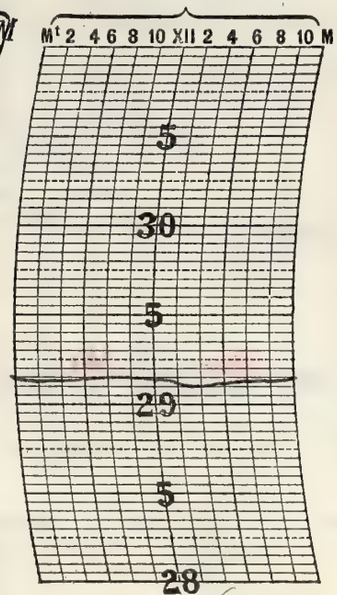
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 76.8 Wet temperature, 65.9
Dew-point, 60 R. humidity, 57 V. pressure, 29.7
Clouds: Amount, 2/10; Kind, Cu; Direction, S.W.
Velocity of clouds (miles per hour)

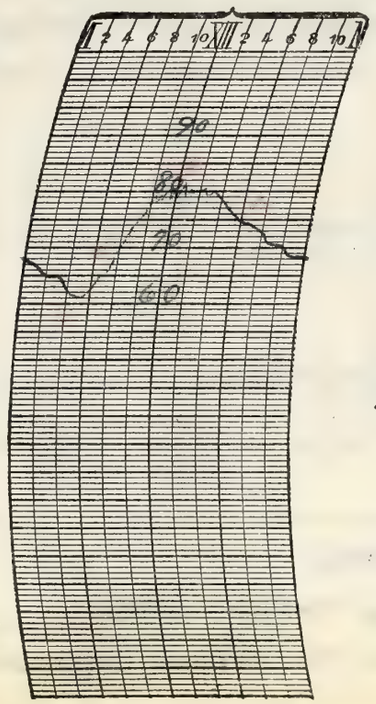
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by C. M. Demorgh
Verified by

8—486

## NOTES.

A light deposit of dew occurred early this morning.
A solar halo of 22° radius was observed from 11:45 a.m. until about 12:20 p.m.
A partly cloudy and moderately warm day. The night was illuminated with bright moonlight from a decreasing area through broken clouds.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) SEP 27 1923, 192

Time (local standard) or normal time. 90th mer.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 66 | 65 | 64 | 64 | 63 | 64 | 65 | 74 | 78 | 82 | 83 | 84 | 85 | 85 | 86 | 85 | 82 | 79 | 76 | 73 | 72 | 70 | 69 | 68 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | PB 6110 RE 6125 | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | T | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear | | | | | → | | Pt. Cloudy | | | | | | Cloudy → | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0 | 0 | | | | | | |
| Wind direction | S | S | S | S | S | S | S | S | SW | SW | SW | S | SW | S | SW | SW | SW | SW | S | S | S | SW | SE | S |
| Wind movement | 3 | 2 | 3 | 3 | 2 | 2 | 2 | 5 | 6 | 7 | 6 | 7 | 8 | 7 | 8 | 6 | 4 | 4 | 6 | 5 | 5 | 3 | 5 | 5 |
| Maximum velocities (exceeding 20 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:33 Character, Clear
Moonrise: 7:08 P Character, Cloudy
Sunset: Time, 6:30 Character, Cloudy
Moonset: 2:50 a Character, Clear

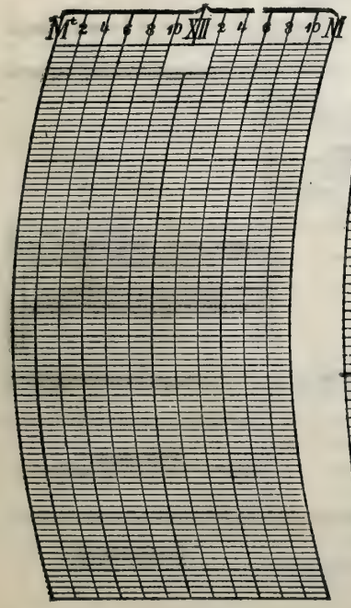
| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 86 | 63 | 74 | |

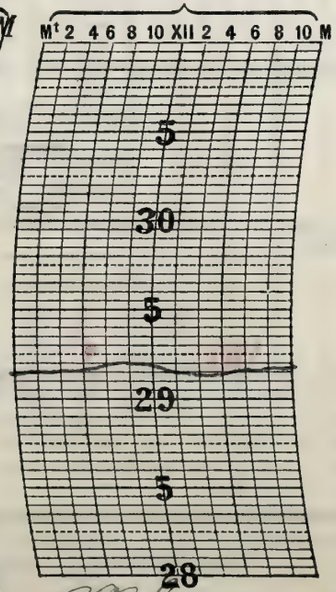
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 7.4
Actual sunshine, hours, 10.4 Possible sunshine, hours, 12.0
Per cent of possible sunshine, 87
Prevailing wind direction, S Total wind 411
Average hourly velocity, 4.6 Extreme velocity, 11
Maximum velocity, 11 Direction, SW
Time began, 2:14 p.m.
Reduced barometer, 30.10 7 a. m. 30.05 7 p. m.
River gage, 6.1 Feet
Relative humidity, 84 7 a. m. 65 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 83.1 Wet temperature, 69.2
Dew-point, 62 R. humidity, 50 V. pressure, .555
Clouds: Amount, 4; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

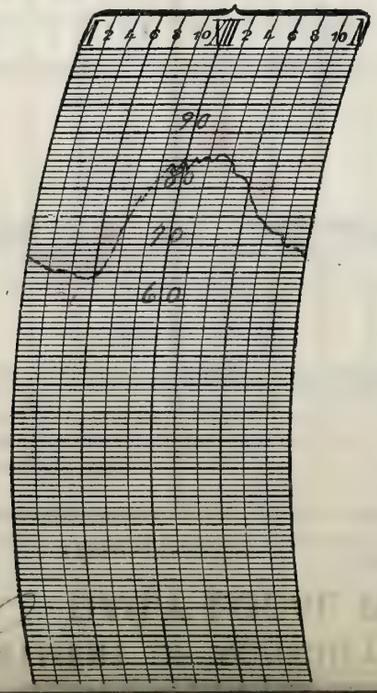
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by
Verified by P. McDonough

## NOTES.

A partly cloudy and very warm day. The maximum temperature was the highest for the month to date.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) SEP 28 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 67 | 67 | 68 | 68 | 68 | 68 | 68 | 73 | 76 | 79 | 79 | 80 | 81 | 81 | 81 | 79 | 76 | 74 | 73 | 70 | 69 | 68 | 67 | 67 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Cloudy × | | | | | | | Pt. Cloudy | | | | | | × Cloudy × | | Clear → | | | |
| Sunrise: Time, Character, 5:35 Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: 7:40p Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, Character, 5:29 Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Moonset: 8:46a Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 0.9 | 0.7 | 0 | 0 | | | | | | |
| Wind direction | S | S | SW | NW | NW | NW | W | W | NW | W | W | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | W | W |
| Wind movement | 6 | 8 | 6 | 6 | 7 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 8 | 9 | 9 | 10 | 8 | 5 | 5 | 5 | 6 | 5 | 5 | 3 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | |

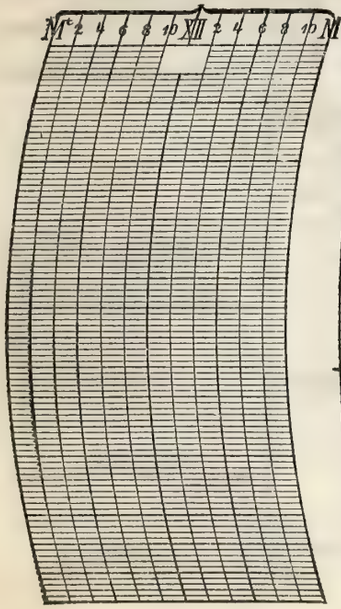
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 81 | 66 | 74 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 8.1 Possible sunshine, hours, 11.9
Per cent of possible sunshine, 68
Prevailing wind direction, NW Total wind 144
Average hourly velocity, 6.0 Extreme velocity, 12
Maximum velocity, 12 Direction, NW
Time began, 1:57 p.m.
Reduced barometer, 30.04 7 a. m. 30.06 7 p. m.
River gage, 4.9 Feet
Relative humidity, 83 7 a. m. 73 7 p. m.

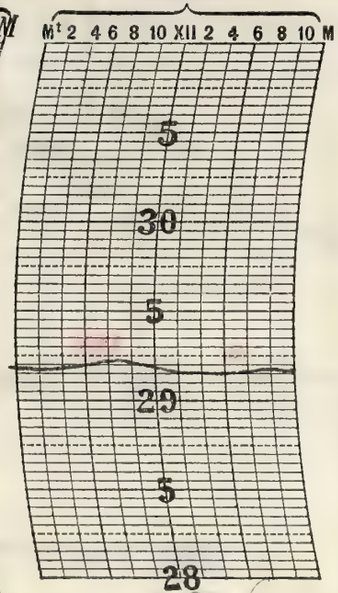
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 79.0 Wet temperature, 67.8
Dew-point, 62 R. humidity, 56 V. pressure, 0.515
Clouds: Amount, 5; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

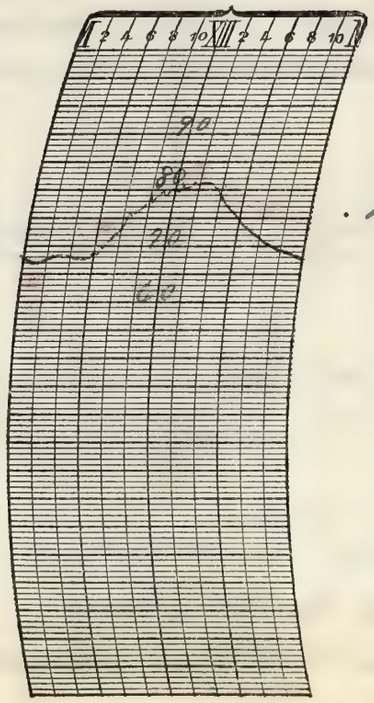
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by
Verified by

8—130

## NOTES.

A Sultry cloudy and warm day, Moderate to Brisk after nine o'clock at night from a Decreasing Breeze

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Saturday, (Date) SEP 29 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 66 | 65 | 65 | 64 | 63 | 63 | 64 | 66 | 67 | 71 | 75 | 76 | 77 | 78 | 77 | 74 | 71 | 66 | 63 | 62 | 62 | 60 | 59 | 58 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear | | | | | | | | | Clear → | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.2 | 0 | | | | | | |
| Wind direction | N | N | N | N | N | N | N | NE | NE | NE | NE | NE | NE | N | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE |
| Wind movement | 4 | 3 | 4 | 4 | 4 | 4 | 5 | 7 | 7 | 6 | 5 | 7 | 7 | 7 | 11 | 12 | 13 | 13 | 10 | 7 | 10 | 10 | 7 | 8 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:36 Character, Clear
Moonrise: 8:15 12 Cloudy
Sunset: Time, 5:22 Character, Cloudy
Moonset: 9:42a Clear

| Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

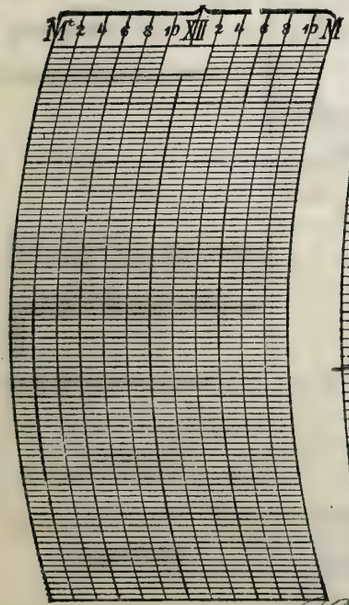
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 78 | 58 | 68 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 10.6 Possible sunshine, hours, 11.8
Per cent of possible sunshine, 90
Prevailing wind direction, NE Total wind 175
Average hourly velocity, 7.3 Extreme velocity, 16
Maximum velocity, 15 Direction, NE
Time began, 5:12 p.m.
Reduced barometer, 30.10 7 a. m. 30.09 7 p. m.
River gage, 17 Ft.
Relative humidity, 92 7 a. m. 77 3 p. m.

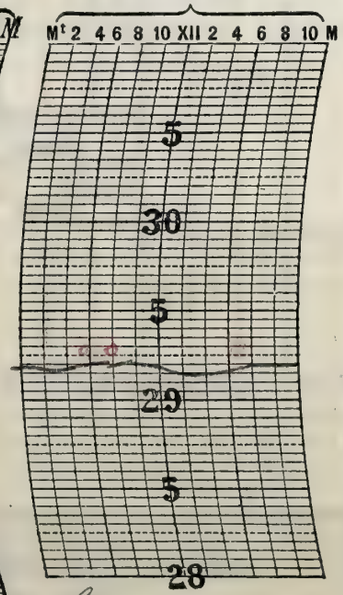
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 76.0 Wet temperature, 65.3
Dew-point, 60 R. humidity, 56 V. pressure, 51.7
Clouds: Amount, 3; Kind, Cu; Direction, N
Velocity of clouds (miles per hour)

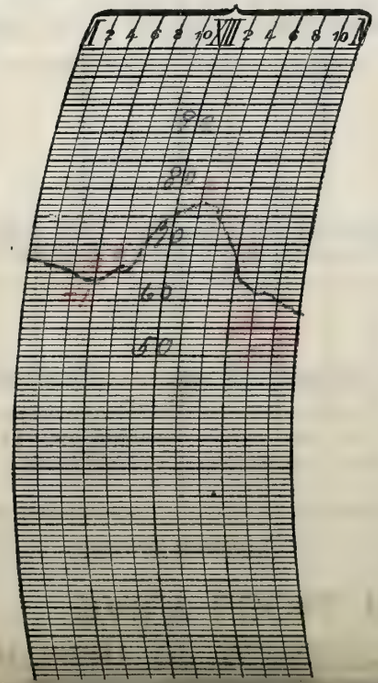
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by [illegible]
Verified by [illegible]

## NOTES.

Heavy dew point at sunrise in the early morning. Moderate moonlight at night

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) SEP 30 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 56 | 54 | 53 | 51 | 50 | 48 | 51 | 54 | 60 | 63 | 65 | 67 | 68 | 69 | 69 | 69 | 67 | 65 | 62 | 59 | 57 | 56 | 54 | 54 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← PtCldy | Clear | | | | | | | | Pt. Cloudy | | | | | | | | | → |
| Sunrise: Time, Character, Moonrise: | Sunrise: 5:37 Cloudy Moonrise: 8:54p | | | | | | | | | | | | | | | | | | | | Sunset: 5:12 5 Cloudy Moonset: 10:32a Clear | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0.3 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.4 | 0 | | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | E | E | NE | N | N | NE | NE | NE | NE | NE | NE | NE | E | NE |
| Wind movement | 6 | 6 | 7 | 5 | 8 | 7 | 5 | 7 | 7 | 3 | 4 | 6 | 7 | 5 | 7 | 7 | 7 | 4 | 7 | 6 | 7 | 6 | 6 | 5 |
| Maximum velocities (exceeding 20 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

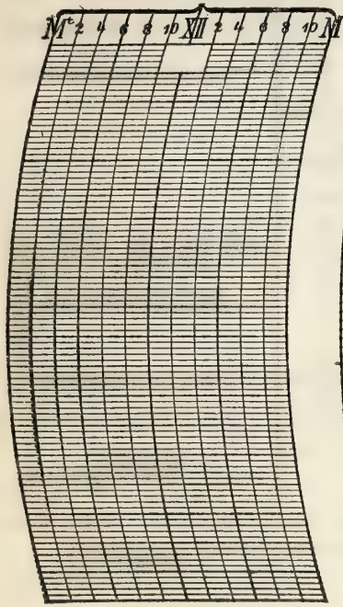
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 71 | 48 | 60 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0–10), 4
Actual sunshine, hours, 9.6 Possible sunshine, hours, 11.8
Per cent of possible sunshine, 81
Prevailing wind direction, NE Total wind, 145
Average hourly velocity, 6.0 Extreme velocity, 11
Maximum velocity, 11 Direction, NE
Time began, 7:44 a.m.
Reduced barometer, 30.14 7 a. m. 30.11 7 p. m.
River gage, 1.6 Feet
Relative humidity, 60 7 a. m. 50 7 p. m.

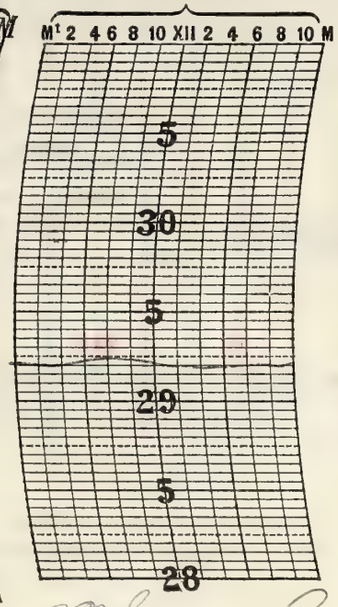
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 69.0 Wet temperature, 59.5
Dew-point, 51 R. humidity, 51 V. pressure, .219
Clouds: Amount, 3; Kind, Cist; Direction, W
Velocity of clouds (miles per hour)

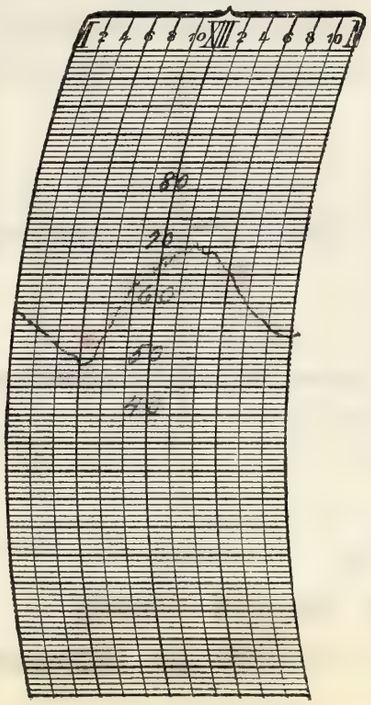
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




NOTES.

Dew deposit occurred in the early morning.

Prepared by

Verified by P. McDonough

8–486

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) OCT 1 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 53 | 52 | 52 | 51 | 50 | 50 | 51 | 54 | 59 | 61 | 63 | 65 | 67 | 68 | 68 | 68 | 66 | 65 | 64 | 61 | 57 | 54 | 52 | 51 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | Cldy | Mcldy | Clear | | | | | Pt. Cloudy | | | | | | Clear | | | | | |
| Sunrise: Time, Character, 5:38 Cloudy. Moonrise: 9:47p Clear | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 5:23 Cloudy. Moonset: 11:22a Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0.2 | 0.7 | 0.9 | 0.7 | 0.9 | 0.9 | 0.9 | 1.0 | 0.2 | 0 | | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | E | E | NE | NE | NE | NE | N | N | NE | N | N | NE | E | E | E | E | E |
| Wind movement | 1 | 2 | 2 | 3 | 3 | 2 | 4 | 3 | 3 | 4 | 4 | 7 | 5 | 5 | 5 | 5 | 4 | 3 | 2 | 4 | 5 | 6 | 6 | 5 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

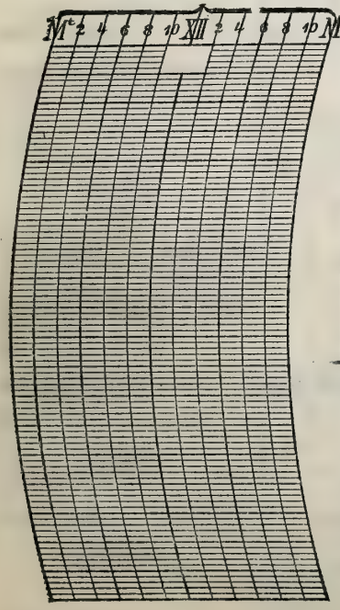
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 69 | 50 | 60 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 6.7 Possible sunshine, hours, 11.8
Per cent of possible sunshine, 58
Prevailing wind direction, NE Total wind 93
Average hourly velocity, 3.9 Extreme velocity, 9
Maximum velocity, 9 Direction, E
Time began, 11:00 a.m.
Reduced barometer, 30.19 7 a. m. 30.15 2 p. m.
River gage, 1.6 Feet.
Relative humidity, 91 7 a. m. 52 2 p. m.

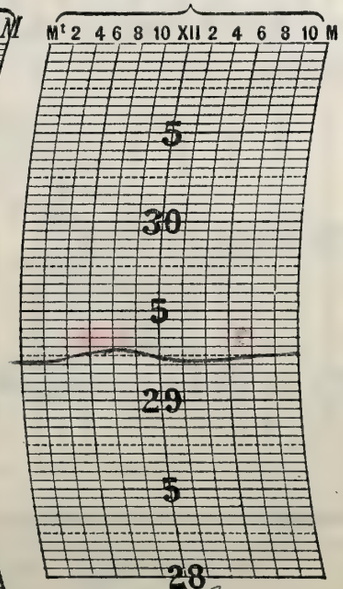
| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 63.0 Wet temperature, 54.4
Dew-point, 48 R. humidity, 58 V. pressure, 334
Clouds: Amount, 6; Kind, Cu.; Direction, NE
Velocity of clouds (miles per hour)

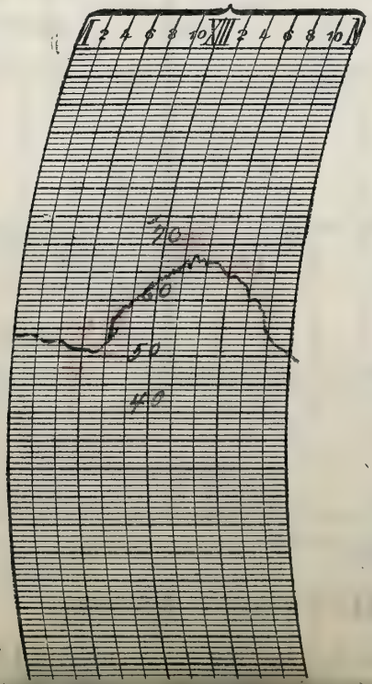
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by
Verified by F. McDonough

## NOTES.

Light dew occurred at early this morning.
A partly cloudy and pleasantly cool day.

Form No. 1012—Met. 1.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) OCT -2 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 49 | 49 | 49 | 50 | 49 | 48 | 51 | 56 | 59 | 61 | 65 | 66 | 66 | 66 | 67 | 66 | 65 | 63 | 62 | 60 | 58 | 56 | 54 | 53 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | Pt. Cloudy | | × | Clear | | | | × | Pt. Cloudy | | × | Clear | | | | | | | |
| Sunrise: Time, Character, | 5:39 Clear | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: | 10:26p Clear | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, Character, | | | | | | | | | | | | | | | | | | | | | 5:22 Clear | | | |
| Moonset: | | | | | | | | | | | | | | | | | | | | | 12:21a Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | .35 0 | 1.0 0 | 0 | 0.2 | 0.6 | 1.0 | 1.0 | 0.7 | 0.5 | 0.4 | 0.2 | 0 | 0 | | | | | | |
| Wind direction | E | E | SE | SE | SE | SE | SE | SE | SE | SE | E | SW | NE | NE | NE | N | NE | N | NE | NE | NE | NW | NW | N |
| Wind movement | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 3 | 5 | 5 | 5 | 6 | 6 | 4 | 4 | 2 | 4 | 3 | 5 | 3 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

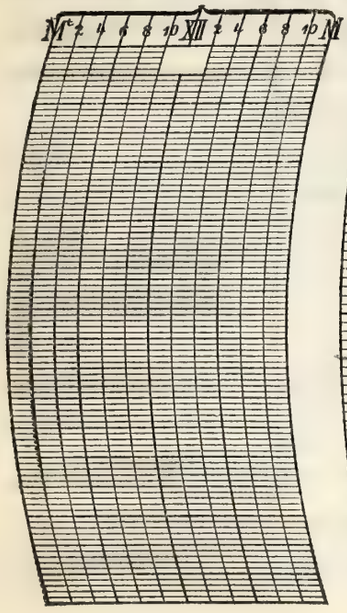
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 68 | 48 | 58 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase, L.Q. 11:29p.m.
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 9.3 Possible sunshine, hours, 11.7
Per cent of possible sunshine, 79
Prevailing wind direction, SE Total wind 89
Average hourly velocity, 3.7 Extreme velocity, 8
Maximum velocity, 8 Direction, NE
Time began, 2:34 p.m. 12th
Reduced barometer, 30.19 7 a. m. 30.11 7 p. m.
River gage, 1.5 Fall
Relative humidity, 83 7 a. m. 51 7 p. m.

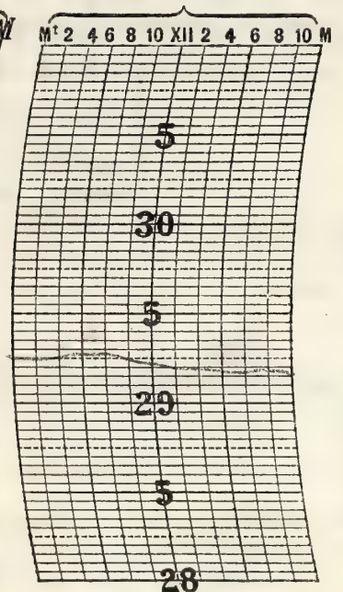
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 66.8 Wet temperature, 56.4
Dew-point, 49 R. humidity, 52 V. pressure, 347
Clouds: Amount, 3; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

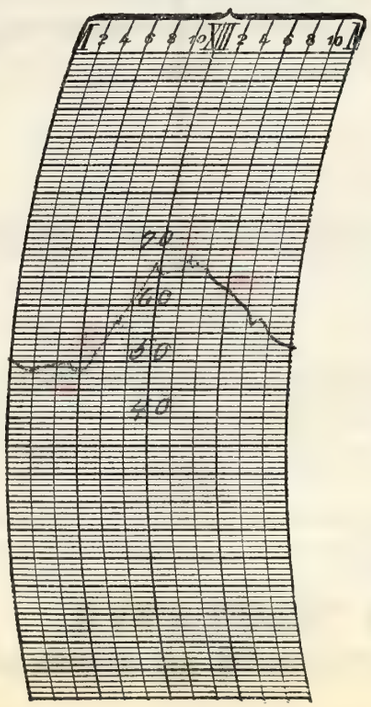
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by WDS

Verified by P. McDonough

8—486

## NOTES.

Light dew occurred early this morning
A few fleecy clouds and pleasantly cool day

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) OCT -3 1923, 192

Time (local standard). 90 mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 51 | 50 | 50 | 50 | 49 | 48 | 48 | 50 | 56 | 62 | 66 | 68 | 70 | 70 | 69 | 68 | 65 | 63 | 60 | 58 | 56 | 55 | 55 | 54 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | Clear | | | | | | | | | Clear | | | | | | | | | |
| Sunrise: Time, Character, Moonrise: | Sunrise: 5:40 Clear; Moonrise: 11:20 P | | | | | | | | | | | | | | | | | | | | Sunset: 5:20 Clear; Moonset: 11:09 P Clear | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0 | 0 | 0 | | | | | | |
| Wind direction | N | N | NW | NW | NW | NW | W | SW | SW | W | W | W | W | W | W | W | W | W | W | W | SW | SW | W | W |
| Wind movement | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 5 | 5 | 7 | 9 | 11 | 12 | 14 | 12 | 11 | 7 | 7 | 5 | 5 | 7 | 7 | 7 | 5 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

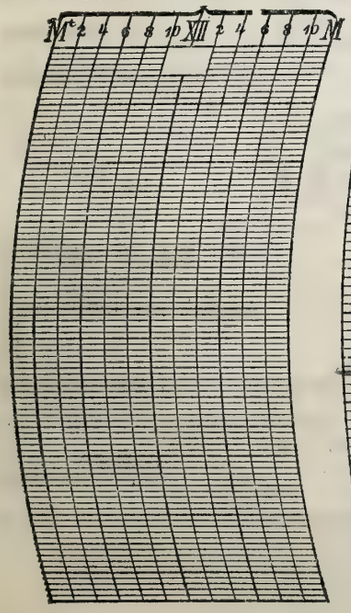
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 70 | 47 | 58 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0–10), Fair
Actual sunshine, hours, 11.2 Possible sunshine, hours, 11.2
Per cent of possible sunshine, 100
Prevailing wind direction, W Total wind 159
Average hourly velocity, 6.6 Extreme velocity, 12
Maximum velocity, 16 Direction, W
Time began, 2:09 p.m.
Reduced barometer, 30.06 7 a. m. 29.91 7 p. m.
River gage, 1.5 Falls
Relative humidity, 92 7 a. m. 51 7 p. m.

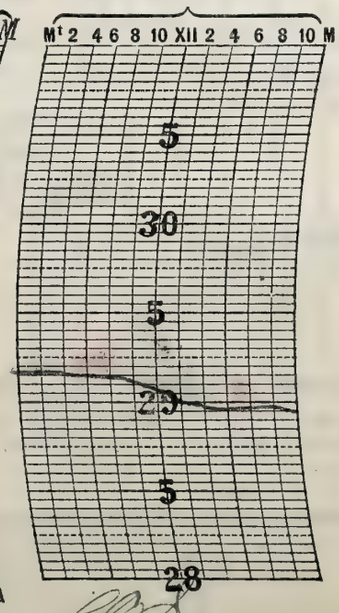
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 67.0 Wet temperature, 52.0
Dew-point, 38 R. humidity, 34 V. pressure, .228
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

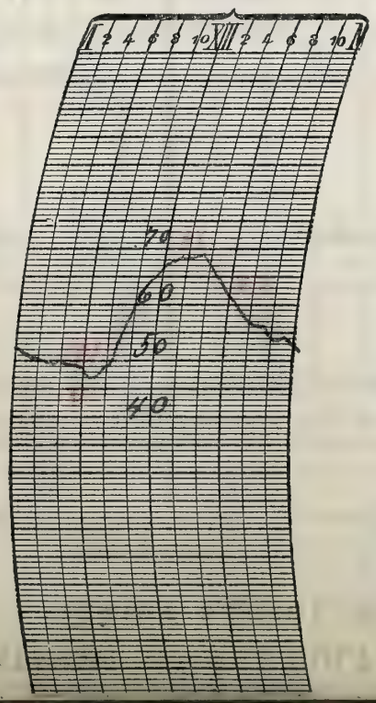
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by

Verified by P M Donough

NOTES.

Light frost occurred this morning.
Light fog began - 7:10 a.m.
Light fog ended - 8:35 a.m.
Light haze prevailed in the afternoon and early night
A clear and moderately cool day.
Frost warning included in the regular a.m. forecast.

Form No. 1012—Met.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) OCT -4 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 52 | 51 | 51 | 51 | 51 | 51 | 49 | 49 | 51 | 52 | 54 | 55 | 55 | 55 | 55 | 55 | 54 | 51 | 48 | 47 | 45 | 42 | 41 | 39 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | Cloudy | | | | | Clear | | | | Clear | | | | | | | | | |
| Sunrise: Time, Character, 5:41 Cloudy. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 5:19 Clear. Moonset: 1:37 PM Clear | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.2 | 0 | | | | | | |
| Wind direction | SW | W | W | NW | N | N | N | N | N | N | N | N | N | N | N | N | N | N | NE | NE | NE | NE | N | N |
| Wind movement | 6 | 5 | 7 | 8 | 8 | 7 | 9 | 10 | 10 | 11 | 11 | 13 | 12 | 11 | 10 | 10 | 8 | 7 | 9 | 7 | 3 | 4 | 4 | 4 |
| Maximum velocities (exceeding 20 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| | Total duration. | | Total amount of precipitation. | Excessive rate. | | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | From— | To— | | Began— | Ended— | | 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

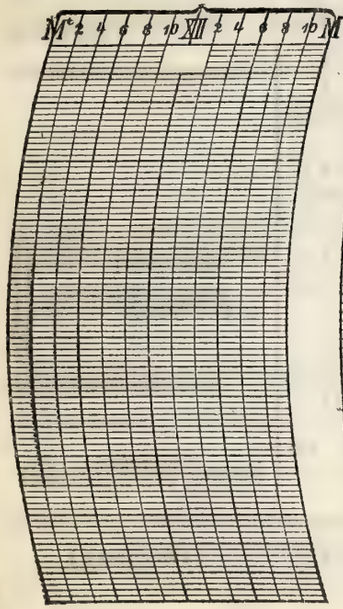
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 56 | 39 | 48 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 9.3 Possible sunshine, hours, 11.6
Per cent of possible sunshine, 80
Prevailing wind direction, N Total wind 194
Average hourly velocity, 8.1 Extreme velocity, 17
Maximum velocity, 14 Direction, N
Time began, 12:02 p.m.
Reduced barometer, 30.60 7 a. m. 30.65 7 p. m.
River gage, 1.5 Feet
Relative humidity, 62 7 a. m. 55 7 p. m.

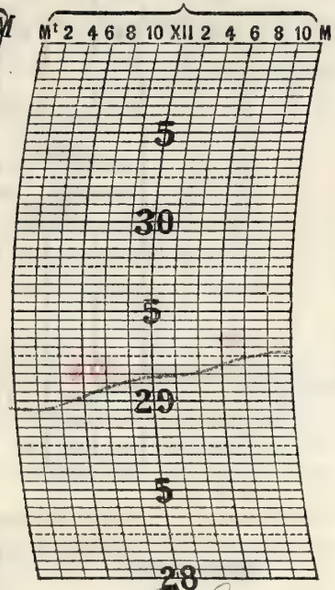
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 55.9 Wet temperature, 44.9
Dew-point, 32 R. humidity, 40 V. pressure, 180
Clouds: Amount, 1; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

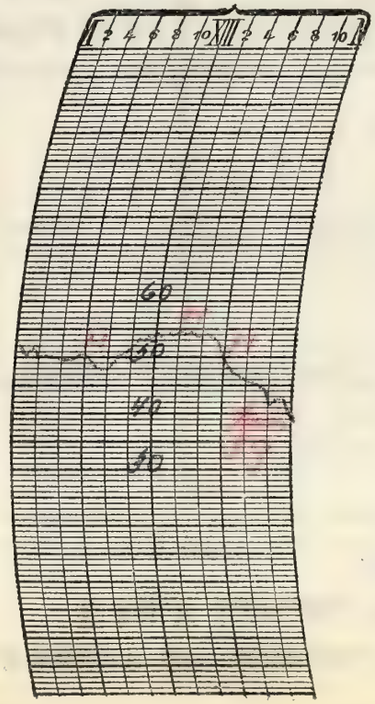
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A warning of frost in low places was received included in the morning forecast. A clear and pleasant day, but the night was startling cold.

Prepared by

Verified by T. M. Elmergreen

8—486

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) OCT -5 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 40 | 38 | 37 | 36 | 36 | 36 | 41 | 43 | 46 | 48 | 51 | 52 | 53 | 53 | 54 | 54 | 53 | 51 | 49 | 44 | 45 | 44 | 43 | 42 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation Cloudiness and other conditions | | | | | | | | | Clear | | | | | | | | | | | | | | | |
| Sunrise: Time, Character, 5:42 Clear. Moonrise: 12:18a | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 5:18 Clear. Moonset: 2:37p Clear | | | |
| Sunshine (in tenths of hours) | | | | | | .30 0 | 1.0 0 | 0.6 0.4 | 1.0 | 1.0 | 1.0 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 0.1 | .28 0 | | | | | | |
| Wind direction | N | N | N | N | N | N | N | N | NE | N | N | N | N | N | N | N | NW | NW | NW | N | N | N | N | N |
| Wind movement | 4 | 4 | 5 | 4 | 4 | 3 | 2 | 5 | 6 | 8 | 6 | 7 | 6 | 7 | 7 | 8 | 6 | 5 | 5 | 7 | 5 | 3 | 5 | 4 |
| Maximum velocities (exceeding 27 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

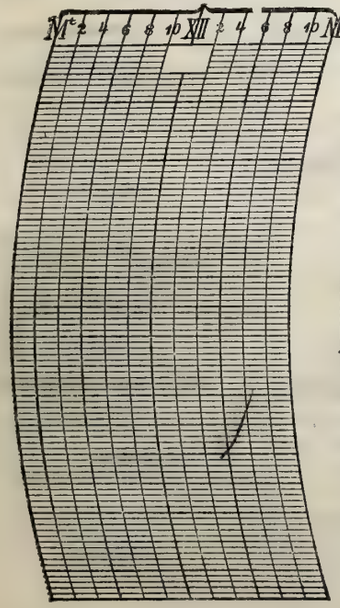
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 55 | 36 | 46 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), Few
Actual sunshine, hours, 11.5 Possible sunshine, hours, 11.6
Per cent of possible sunshine, 99
Prevailing wind direction, N Total wind 126
Average hourly velocity, 5.2 Extreme velocity, 10
Maximum velocity, 10 Direction, NW
Time began, 2:18 p.m.
Reduced barometer, 30.31 7 a. m. 30.24 7 p. m.
River gage, 1.4 Feet
Relative humidity, 68 7 a. m. 52 7 p. m.

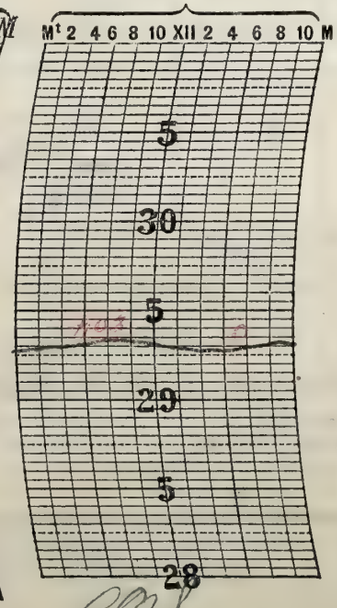
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 52.0 Wet temperature, 40.0
Dew-point, 23 R. humidity, 30 V. pressure, 11.8
Clouds: Amount, 2; Kind, Cu.; Direction, NE
Velocity of clouds (miles per hour)

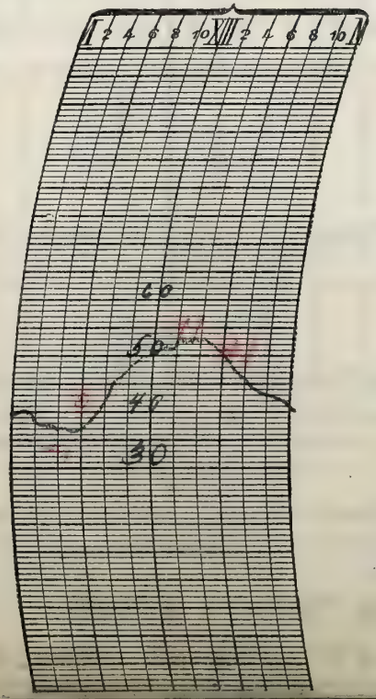
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by CDS

Verified by P. McDonough

8—486

## NOTES.

Heavy frost occurred early this morning.

A warning of light & heavy frost was released in the morning forecast.

A clear and rather cool migrating day.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) OCT -6 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 40 | 40 | 39 | 38 | 37 | 36 | 39 | 45 | 48 | 50 | 53 | 54 | 54 | 55 | 55 | 54 | 53 | 50 | 50 | 47 | 45 | 43 | 41 | 41 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear | | | | | | | | | | | | | | | | | | → |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0.5 | 0 | 0 | | | | | | |
| Wind direction | N | N | N | N | N | NE | NE | NE | E | NE | E | E | NE | E | E | NE | E | E | NE | NE | E | E | E | E |
| Wind movement | 5 | 3 | 2 | 3 | 4 | 5 | 4 | 4 | 5 | 7 | 6 | 6 | 8 | 7 | 6 | 8 | 6 | 6 | 6 | 4 | 5 | 3 | 2 | 3 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:43 Character, Clear
Moonrise: 1:21a

Sunset: Time, 5:15 Character, Clear
Moonset: 3:17p Clear

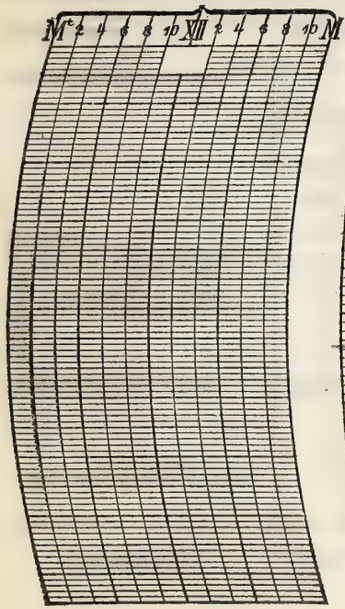
| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 56 | 36 | 46 | |

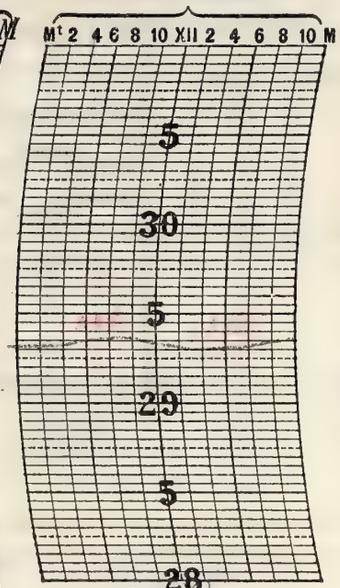
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 11.3 Possible sunshine, hours, 11.5
Per cent of possible sunshine, 98
Prevailing wind direction, E Total wind 118
Average hourly velocity, 4.9 Extreme velocity, 12
Maximum velocity, 12 Direction, NE
Time began, 3:07 p.m.
Reduced barometer, 30.32 7 a. m. 30.26 7 p. m.
River gage, 1.4 Feet
Relative humidity, 76 7 a. m. 53 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 53.1 Wet temperature, 41.8
Dew-point, 27 R. humidity, 35 V. pressure, 143
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

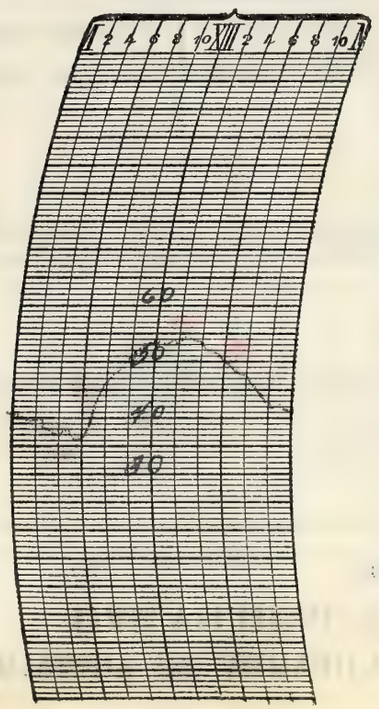
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




NOTES.

Rubbing frost occurred this morning. The word "Clear" was sent in the morning report.

Prepared by C. M. Wenger

Verified by C. M. Wenger

8—486

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) OCT -7 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 39 | 38 | 38 | 37 | 37 | 36 | 38 | 45 | 50 | 51 | 53 | 54 | 55 | 56 | 57 | 57 | 55 | 53 | 50 | 49 | 47 | 45 | 43 | 42 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | Clear | | | | | | | Clear | | | | | | | | → |
| Sunrise: Time, Character, 5:44 Clear | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 5:14 Clear | | | |
| Moonrise: 1:28a | | | | | | | | | | | | | | | | | | | | | Moonset: 3:55p Clear | | | |
| Sunshine (in tenths of hours) | | | | | | .27 0 | 1.0 0 | 0.2 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 0.1 | .23 0 | | | | | | |
| Wind direction | E | NE | NE | NE | NE | E | E | E | E | SE | E | E | E | E | E | NE | NE | E | E | E | E | E | E | E |
| Wind movement | 3 | 3 | 4 | 2 | 3 | 4 | 3 | 4 | 5 | 5 | 8 | 7 | 6 | 6 | 7 | 7 | 7 | 6 | 4 | 6 | 5 | 5 | 5 | 3 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

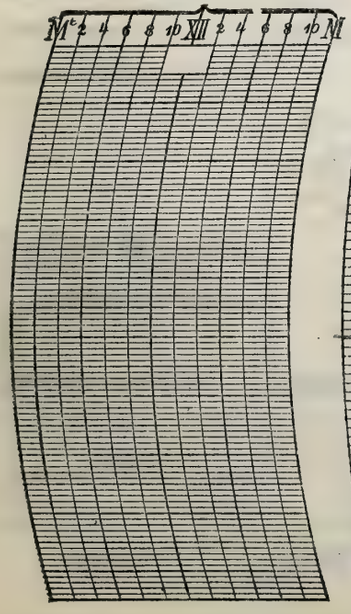
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 57 | 36 | 46 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 11.5 Possible sunshine, hours, 11.5
Per cent of possible sunshine, 100
Prevailing wind direction, E Total wind 118
Average hourly velocity, 4.9 Extreme velocity, 11
Maximum velocity, 11 Direction, NE
Time began, 3:08 p. m.
Reduced barometer, 30.39 7 a. m. 30.36 7 p. m.
River gage, 1.4 Feet.
Relative humidity, 79 7 a. m. 45 7 p. m.

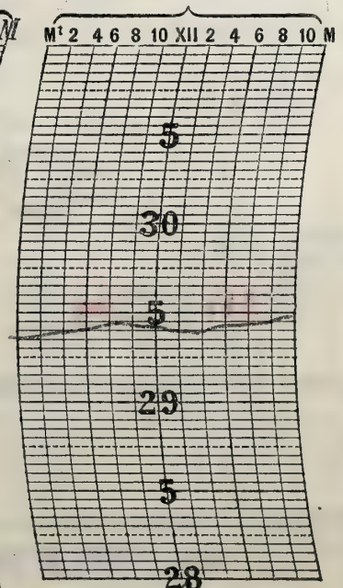
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 53.7 Wet temperature, 43.8
Dew-point, 31 R. humidity, 43 V. pressure, .180
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

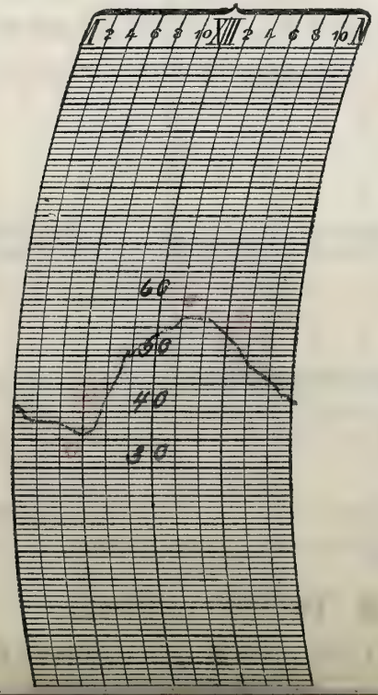
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by CDS

Verified by P. McDonough

NOTES.

A warning of frost was included in the 10 a.m. forecast, the day opened clear and cold, but warmed up slightly with the sunshine but at 4 o'clock it was clear and cool.

Form No. 1032—Mscl.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) OCT - 8 1923, 192

Time (local standard) 90° mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 40 | 38 | 38 | 37 | 37 | 36 | 40 | 48 | 52 | 55 | 58 | 60 | 61 | 62 | 63 | 62 | 60 | 58 | 56 | 53 | 50 | 49 | 48 | 46 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear | | | | | | | | | | | | | | | | | | → |
| Sunrise: Time, Character, | 6:45 Clear | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, | | | |
| Moonrise: | 3:38a | | | | | | | | | | | | | | | | | | | | Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | .25 0 | 0 | 0.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0 | 0 | | | | | |
| Wind direction | E | E | NE | NE | NE | NE | NE | E | E | E | E | E | E | E | NE | E | NE | NE | NE | NE | NE | E | E | E |
| Wind movement | 4 | 3 | 6 | 6 | 7 | 6 | 6 | 7 | 7 | 8 | 10 | 7 | 6 | 6 | 6 | 6 | 4 | 5 | 6 | 4 | 7 | 7 | 4 | 3 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

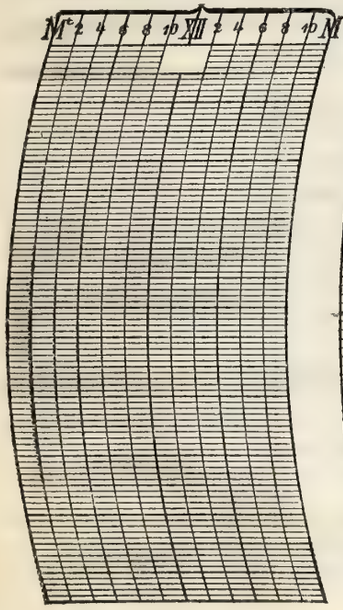
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 63 | 36 | 50 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), Few
Actual sunshine, hours, 11.4 Possible sunshine, hours, 11.4
Per cent of possible sunshine, 100
Prevailing wind direction, E Total wind 141
Average hourly velocity, 5.9 Extreme velocity, 13
Maximum velocity, 13 Direction, E
Time began, 10:12 a.m.
Reduced barometer, 30.51 7 a. m. 30.44 7 p. m.
River gage, 1.4 Feet.
Relative humidity, 73 7 a. m. 46 7 p. m.

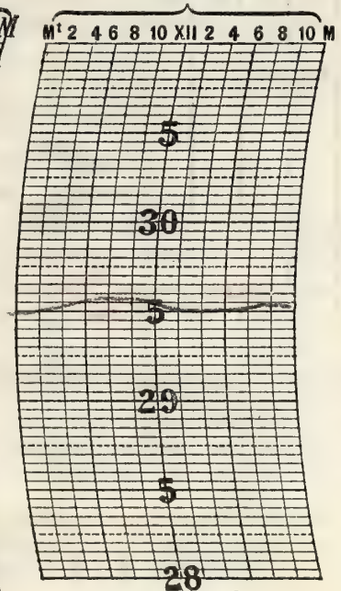
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 58.1 Wet temperature, 46.8
Dew-point, 35 R. humidity, 41 V. pressure, .203
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

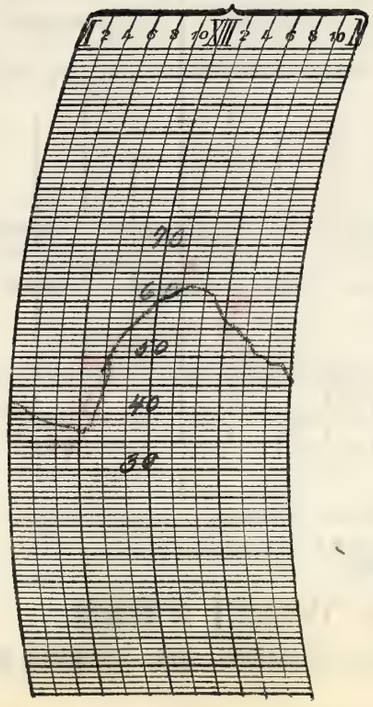
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by C. L. S.
Verified by C. M. Donaghy

8—486

## NOTES.

First warning included in the early morning forecast. Fair clear and cool day with slowly rising temperatures.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) OCT - 9 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 43 | 42 | 41 | 40 | 40 | 38 | 40 | 45 | 54 | 58 | 60 | 62 | 64 | 65 | 65 | 64 | 63 | 61 | 60 | 55 | 53 | 51 | 50 | 48 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | Clear | | | | | | | | Clear | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunrise: Time, Character, 5:46 Clear | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 5:10 Clear | | | |
| Moonrise: 4:50a | | | | | | | | | | | | | | | | | | | | | Moonset: 5:09p Clear | | | |
| Sunshine (in tenths of hours) | | | | | | .23 0 | 1.0 0 | 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0 | 0 | | | | | | |
| Wind direction | E | E | E | E | E | E | E | E | E | SE | E | E | E | E | NE | E | E | E | E | E | 0 | 0 | 0 | 0 |
| Wind movement | 3 | 3 | 2 | 1 | 3 | 3 | 3 | 5 | 2 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 3 | 4 | 3 | 1 | 0 | 0 | 0 | 0 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

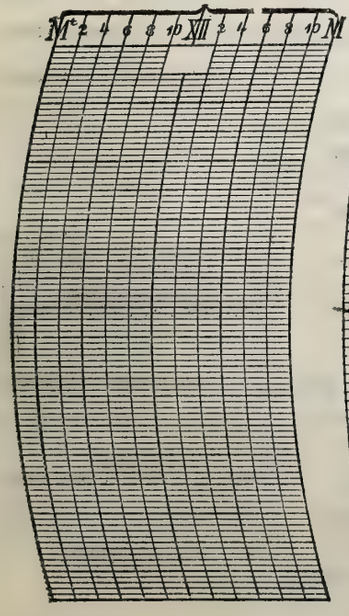
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 66 | 38 | 52 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0–10), Few
Actual sunshine, hours, 11.4 Possible sunshine, hours, 11.4
Per cent of possible sunshine, 100
Prevailing wind direction, E Total wind 61
Average hourly velocity, 2.5 Extreme velocity, 6
Maximum velocity, 6 Direction, E
Time began, 7:15 a.m.
Reduced barometer, 30.52 7 a. m. 30.40 7 p. m.
River gage, 1.13 Feet
Relative humidity, 80 7 a. m. 44 7 p. m.

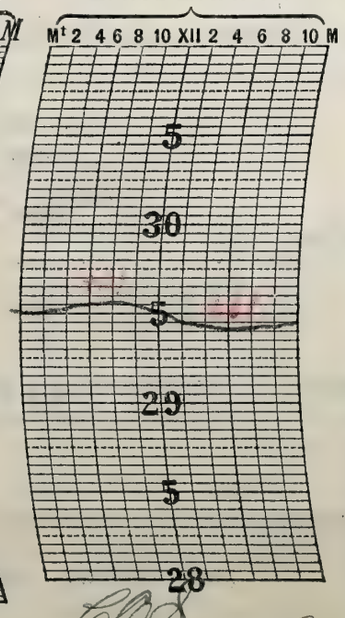
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 62.2 Wet temperature, 48.3
Dew-point, 33 R. humidity, 34 V. pressure, 187
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

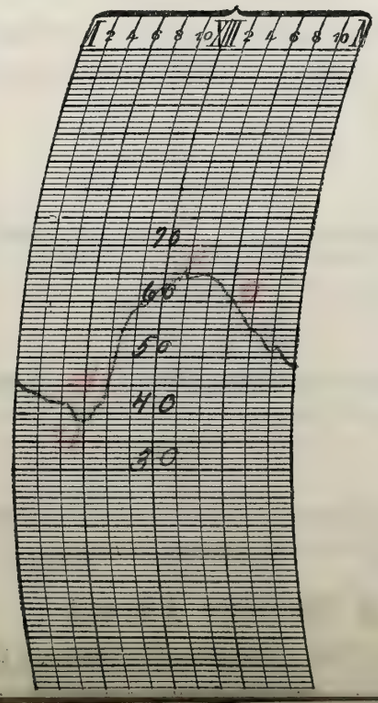
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by CDS

Verified by P. McDonough

NOTES.

A clear and cool day with
windy raising temperatures

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) OCT 10 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 48 | 47 | 46 | 45 | 45 | 45 | 48 | 62 | 58 | 63 | 67 | 69 | 72 | 73 | 73 | 72 | 69 | 67 | 65 | 62 | 60 | 58 | 57 | 55 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear — | | | | | | × Partly → | ← Clear — | | | | | | | | | → | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.2 | 0 | | | | | | |
| Wind direction | 0 | E | E | E | E | E | E | E | SW | SW | SW | W | W | W | W | SW | SW | SW | SW | SW | SW | SW | SW | SW |
| Wind movement | 0 | 1 | 2 | 1 | 2 | 1 | 2 | 3 | 6 | 6 | 7 | 6 | 6 | 5 | 6 | 5 | 4 | 4 | 4 | 2 | 1 | 3 | 3 | 4 |
| Maximum velocities (exceeding 27 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:41 Character, Cloudy
Moonrise: 6:04a Cloudy
Sunset: Time, 5:09 Character, Cloudy
Moonset: 5:47p Cloudy

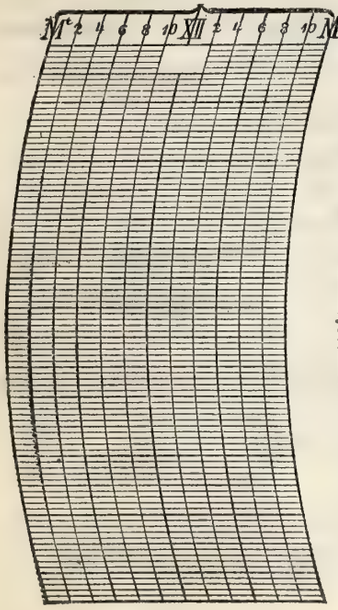
| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 73 | 44 | 58 | |

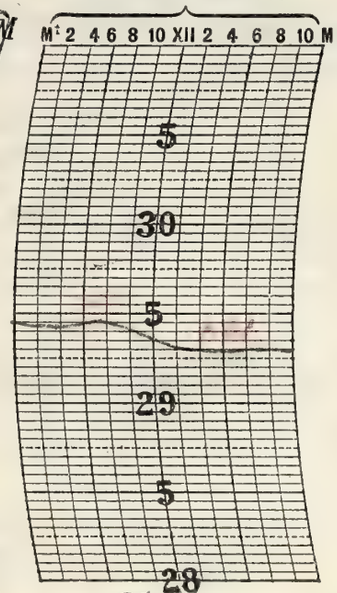
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, New 12:06a
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 8.3 Possible sunshine, hours, 11.4
Per cent of possible sunshine, 73
Prevailing wind direction, SW Total wind, 84
Average hourly velocity, 3.5 Extreme velocity, 8
Maximum velocity, 8 Direction, SW
Time began, 8:12 am
Reduced barometer, 30.31 7 a. m. 30.22 7 p. m.
River gage, 1.4 Feet
Relative humidity, 62 7 a. m. 52 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 68.0 Wet temperature, 61.5
Dew-point, 55 R. humidity, 70 V. pressure, .293
Clouds: Amount, 5; Kind, C. St.; Direction, N
Velocity of clouds (miles per hour)

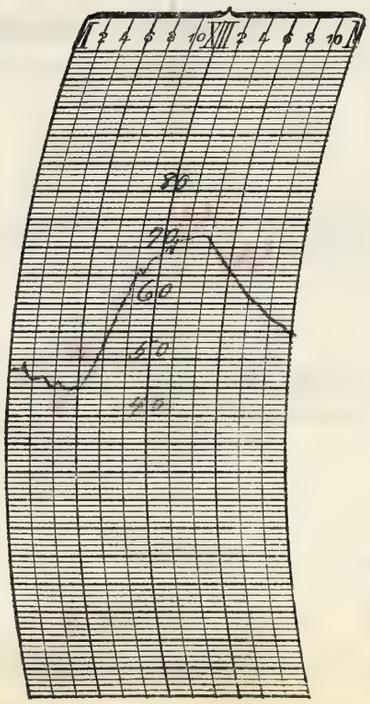
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by E. R. S.
Verified by J. M. Donnelly

8—486

NOTES.

A clear and comfortable
cool day.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Thursday, (Date) OCT 11 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 53 | 51 | 50 | 49 | 48 | 48 | 50 | 56 | 62 | 68 | 71 | 73 | 75 | 76 | 76 | 75 | 72 | 69 | 67 | 64 | 61 | 60 | 58 | 57 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | Clear | | | | | | | Clear | | | | | | | → | |
| Sunrise: Time, Character, 5:48 Clear. Moonrise: 7:18a Clear | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 5:30 Cloudy. Moonset: 6:22p Clear | | | |
| Sunshine (in tenths of hours) | | | | | | .20 | 1.0 | 0.6 | | | | | | | | 0.3 | 0.8 | | | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW |
| Wind movement | 3 | 6 | 6 | 7 | 7 | 3 | 3 | 6 | 4 | 5 | 6 | 7 | 8 | 7 | 8 | 5 | 5 | 3 | 2 | 3 | 4 | 3 | 4 | 5 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

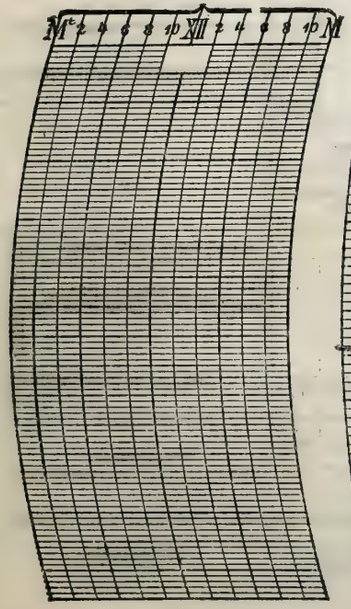
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 77 | 47 | 62 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear. Moon phase,
Average daily cloudiness (0–10),
Actual sunshine, hours, 11.0 Possible sunshine, hours, 11.3
Per cent of possible sunshine, 97
Prevailing wind direction, SW. Total wind 120
Average hourly velocity, 5.0 Extreme velocity,
Maximum velocity, 10 Direction, SW
Time began, 1:07 p.m.
Reduced barometer, 30.15 7 a. m. 30.15 7 p. m.
River gage, 1.3 Feet
Relative humidity, 67 7 a. m. 39 7 p. m.

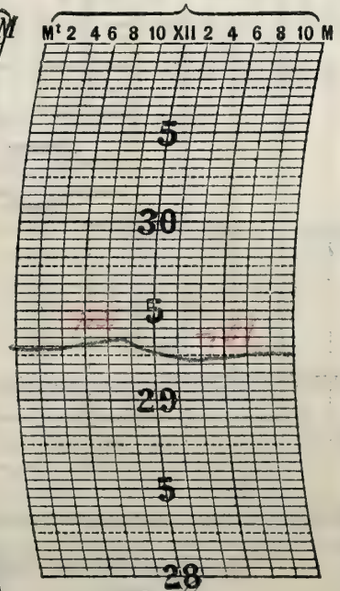
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 73.7 Wet temperature, 63.2
Dew-point, 32 R. humidity, 22 V. pressure, .180
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

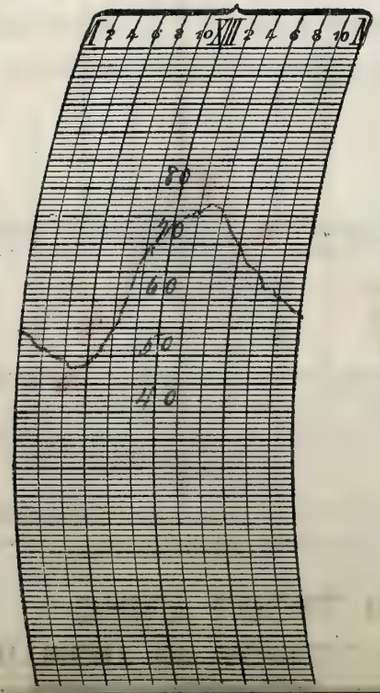
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by CDS

Verified by P. McDonough

NOTES.

The sunset behind the northwest corner of the First National Bank Building, the building obscuring the sun from 4:40 p.m.

A clear and rather warm day.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) OCT 12 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 56 | 55 | 53 | 53 | 52 | 51 | 54 | 59 | 64 | 69 | 74 | 75 | 76 | 77 | 76 | 76 | 72 | 70 | 68 | 65 | 64 | 62 | 60 | 59 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Pt. Cldy | | | | | | | x-Clear | | x-Pt. Cloudy | | | x-Clear | | | | | | → |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0.8 | 0 | 0 | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | S | SW |
| Wind movement | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 6 | 7 | 8 | 6 | 10 | 12 | 14 | 15 | 10 | 6 | 7 | 5 | 5 | 4 | 7 | 6 | 8 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:49 Character, Cloudy
Moonrise: 8:31a Cloudy
Sunset: Time, 5:06 Character, Cloudy
Moonset: 9:13p Cloudy

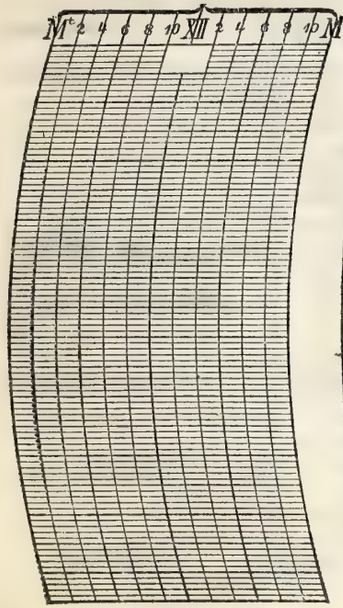
| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 78 | 51 | 64 | |

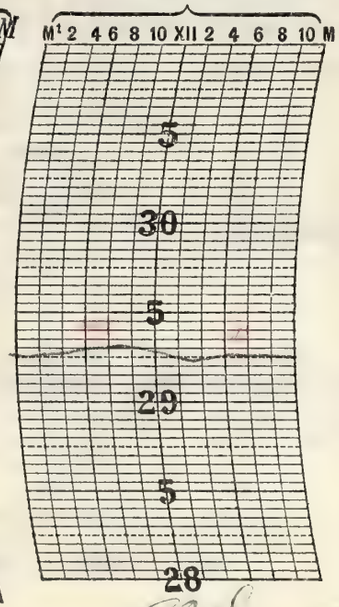
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 9.2 Possible sunshine, hours, 11.3
Per cent of possible sunshine, 81
Prevailing wind direction, SW. Total wind 161
Average hourly velocity, 6.7 Extreme velocity, 19
Maximum velocity, 18 Direction, SW.
Time began, 2:00 p m.
Reduced barometer, 30.13 7 a. m. 30.18 7 p. m.
River gage, 1.3 Feet
Relative humidity, 54 7 a. m. 43 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 74.0 Wet temperature, 56.7
Dew-point, 42 R. humidity, 23 V. pressure, 26.6
Clouds: Amount, 7; Kind, Cu St; Direction, N.
Velocity of clouds (miles per hour)

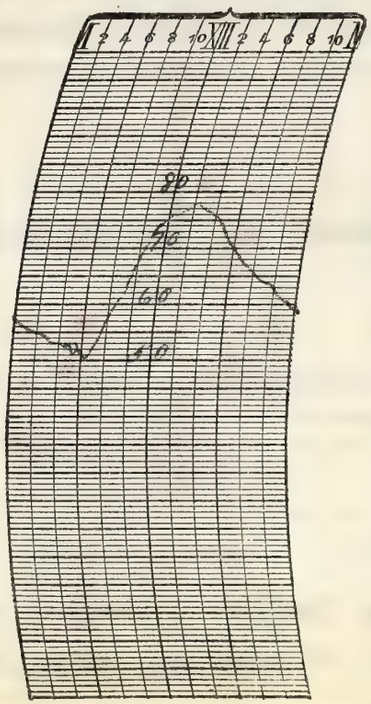
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




NOTES.

A cool cloudy day with mild temperature

Prepared by C. M. S.
Verified by C. M. Donnelly

8—486

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) OCT 13 1923, 192

Time (local standard) 90 mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 58 | 56 | 54 | 54 | 53 | 53 | 53 | 59 | 62 | 66 | 69 | 72 | 73 | 74 | 72 | 63 | 59 | 55 | 55 | 53 | 53 | 52 RB 9:10 | 52 | 51 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | T | .02 | .04 |
| Cloudiness and other conditions | | | | | | ← Ph. Cloudy * Cloudy | | | | | | | — Cloudy | | | | | | | | | | | → |
| Sunrise: Time, Character, | 5:01 Cloudy | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, | 5:04 Cloudy | | |
| Moonrise: | 9:41a Cloudy | | | | | | | | | | | | | | | | | | | | Moonset: | 8:02p Cloudy | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0.6 | 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.5 | 0 | 0 | | | | | | |
| Wind direction | S | S | SW | SW | SW | S | SW | SW | SW | SW | SW | SW | SW | SW | W | W | NW | NW | NW | NW | NW | NW | NW | NW |
| Wind movement | 9 | 7 | 8 | 9 | 9 | 10 | 10 | 10 | 12 | 13 | 12 | 14 | 13 | 16 | 13 | 13 | 10 | 10 | 9 | 8 | 8 | 4 | 4 | 3 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

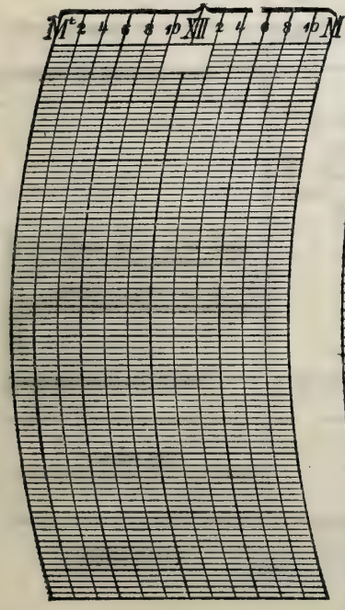
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 74 | 51 | 62 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .06 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 8.1 Possible sunshine, hours, 11.2
Per cent of possible sunshine, 72
Prevailing wind direction, SW. Total wind 223
Average hourly velocity, 9.8 Extreme velocity, 22
Maximum velocity, 19 Direction, SW
Time began, 1:00 pm
Reduced barometer, 30.20 7 a. m. 30.20 7 p. m.
River gage, 1.3 Feet.
Relative humidity, 64 7 a. m. 88 7 p. m.

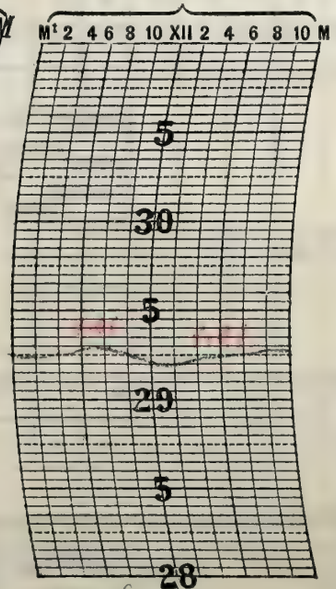
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 71.3 Wet temperature, 57.0
Dew-point, 46 R. humidity, 40 V. pressure, .210
Clouds: Amount, 8; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

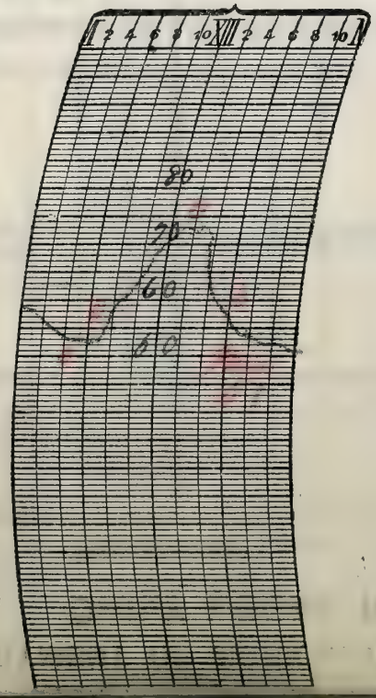
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by [illegible]
Verified by P. McDonough

NOTES.

A cloudy day with moderate temperatures.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) OCT 14 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 50 | 49 | 48 | 48 | 44 | 44 | 44 | 44 | 46 | 46 | 48 | 49 | 51 | 53 | 53 | 53 | 51 | 50 | 49 | 49 | 48 | 47 | 45 | 44 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | RE 8.15 RB 8.46 | | RE 10.07 | | | | | | | | | | | | | |
| Amounts of precipitation | .03 | .01 | .03 | .02 | .06 | .07 | .04 | .01 | .02 | .01 | T | | | | | | | | | | | | | |
| Cloudiness and other conditions | ← Cloudy | | | | | | | | | | | | Cloudy → | | | | | | | | | | | |

Sunrise: Time 5.52, Character Cloudy
Moonrise: 10.47a Cloudy
Sunset: Time 6.02, Character Cloudy
Moonset: 8.53p Cloudy

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.4 | 1.0 | 0.2 | 0 | 0 | | | | | | |
| Wind direction | NW | NW | N | N | NW | N | N | N | N | N | N | NE | E | E | SE | SE | E | SE | SE | SE | SE | SE | SE | SE |
| Wind movement | 5 | 5 | 6 | 6 | 9 | 7 | 4 | 4 | 3 | 2 | 4 | 4 | 2 | 3 | 4 | 2 | 4 | 4 | 3 | 3 | 2 | 2 | 1 | 1 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

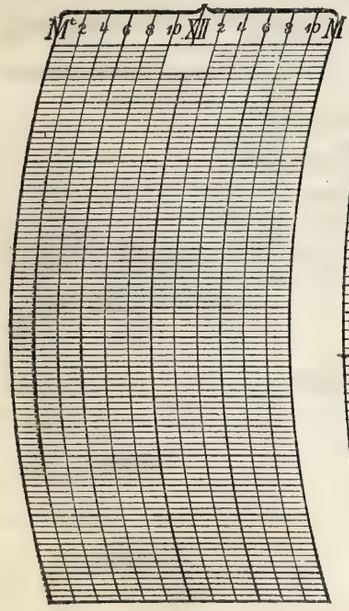
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 54 | 44 | 49 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .32 ins.; to 7 p. m., .84 ins.
Total precipitation, midnight to midnight, .30 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 1.8 Possible sunshine, hours, 11.2
Per cent of possible sunshine, 16
Prevailing wind direction, SE Total wind, 90
Average hourly velocity, 3.8 Extreme velocity, 16
Maximum velocity, 15 Direction, ~~SE~~ NW
Time began, 4.15 a.m.
Reduced barometer, 30.25 7 a. m. 30.15 7 p. m.
River gage, 1.4 Feet
Relative humidity, 96 7 a. m. 82 7 p. m.

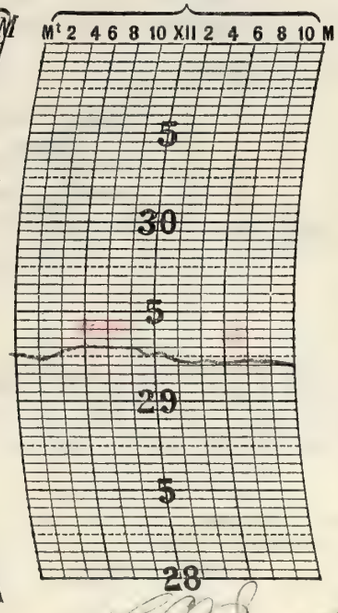
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 49.0 Wet temperature, 46.0
Dew-point, 43 R. humidity, 80 V. pressure, 297
Clouds: Amount, 10; Kind, St; Direction, NW
Velocity of clouds (miles per hour)

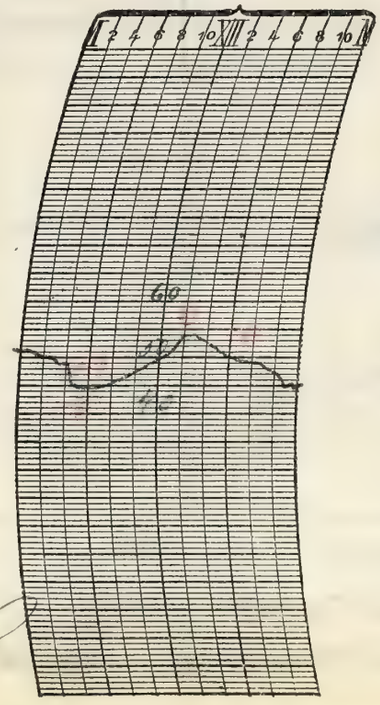
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by
Verified by T. M. Donnegh

8—486

## NOTES.

A cloudy and moderately cool day with light rain during most of the morning hours.
Dense fog began — 9:25 pm.
Dense fog discontinued at 8:15 am.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) OCT 16 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 43 | 41 | 40 | 38 | 38 | 39 | 39 | 41 | 43 | 45 | 46 | 48 | 50 | 52 | 54 | 55 | 55 | 54 | 54 | 54 | 54 | 54 | 54 | 53 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | Foggy | | | | | | Cloudy | | | | | | | | | | | | |
| Sunrise: Time, Character, | 5:53 Foggy | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, | 5:01 Cloudy | | |
| Moonrise: | 11:47a Cloudy | | | | | | | | | | | | | | | | | | | | Moonset: | 9:52p Cloudy | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | SE | SE | SE | E | E | SE | SE | E | SE | SE | NE | E | E | E | E | E | E | E | E | E | E | E | E | E |
| Wind movement | 1 | 2 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 2 | 4 | 5 | 5 | 4 | 5 | 8 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| Maximum velocities (exceeding 20 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

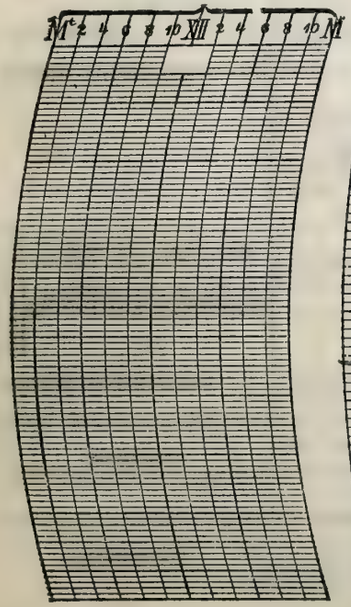
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 55 | 38 | 46 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 9
Actual sunshine, hours, 0 Possible sunshine, hours, 11.1
Per cent of possible sunshine, 0
Prevailing wind direction, E Total wind 103
Average hourly velocity, 4.3 Extreme velocity, 9
Maximum velocity, 9 Direction, E
Time began, 4:13 p.m.
Reduced barometer, 30.16 7 a. m. 30.08 7 p. m.
River gage, 1.4 Feet
Relative humidity, 95 7 a. m. 97 7 p. m.

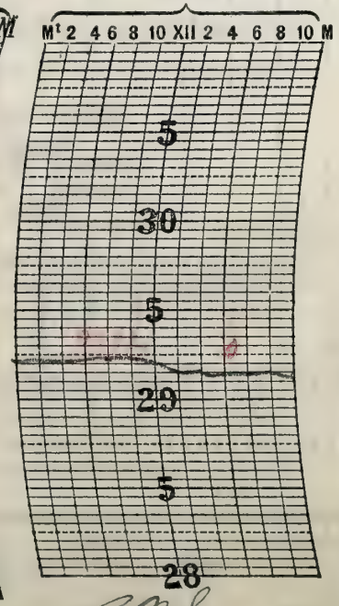
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 47.0 Wet temperature, 47.0
Dew-point, 47 R. humidity, 100 V. pressure, 322
Clouds: Amount, 10; Kind, St; Direction, E
Velocity of clouds (miles per hour)

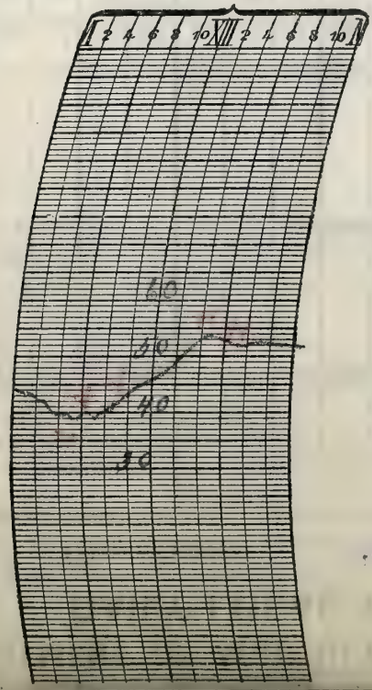
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by C O S
Verified by P. McDonough

## NOTES.

Dense fog continued from 11th
Dense fog ended 10:02 a.m.
Light fog began 10:02 a.m.
Light fog ended 11:17 a.m.
Cloudy and dark
gloomy all day

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) OCT 16 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 53 | 53 | 53 | 53 | 53 | 53 | 54 | 54 | 58 | 61 | 65 | 70 | 70 | 71 | 72 | 70 | 70 | 68 | 66 | 66 | 64 | 63 | 63 | 63 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | < Cloudy | | | | | | | | | Cloudy | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0.7 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | E | E | E | E | E | E | E | E | E | E | SE | SE | S | S | S | S | S | S | SE | SE | SE | E | SE | SE |
| Wind movement | 7 | 5 | 5 | 4 | 4 | 6 | 5 | 5 | 3 | 4 | 6 | 7 | 8 | 6 | 5 | 4 | 4 | 4 | 3 | 6 | 5 | 5 | 4 | 6 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:54 Character, Cloudy
Moonrise: 12:39p Cloudy
Sunset: Time, 4:57 Character, Cloudy
Moonset: 10:57p Cloudy

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

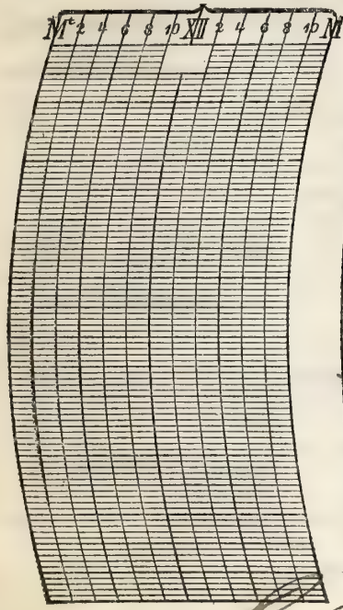
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 72 | 53 | 62 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 6 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase, F.Q. - 2:57 p.m.
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.7 Possible sunshine, hours, 11.1
Per cent of possible sunshine, 6
Prevailing wind direction, E Total wind, 121
Average hourly velocity, 5.0 Extreme velocity, 10
Maximum velocity, 10 Direction, S
Time began, 12:36 p.m.
Reduced barometer, 29.04 7 a. m. 29.88 7 p. m.
River gage, 1.3 Feet
Relative humidity, 94 7 a. m. 71 7 p. m.

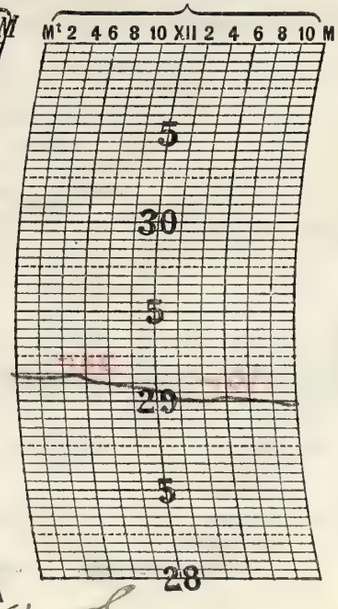
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 69.4 Wet temperature, 60.2
Dew-point, 54 R. humidity, 59 V. pressure, 41.7
Clouds: Amount, 9; Kind, St; Direction, SE
Velocity of clouds (miles per hour)

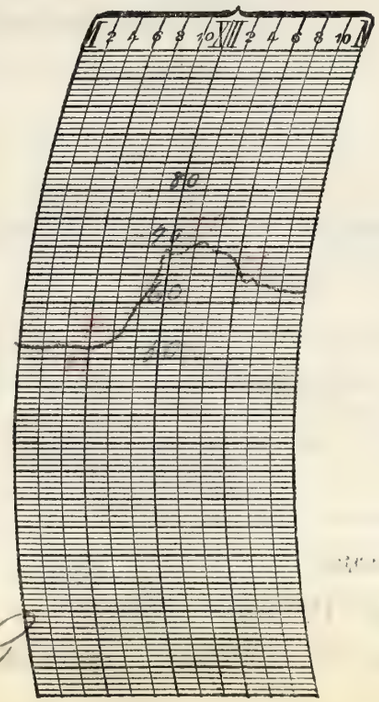
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by C. O. S.
Verified by P. McDonough

8—486

## NOTES.

Lt. Fog began — DNA
Lt. Fog ended — 10:40 a.m.
A Cloudy day with mild temperatures.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) OCT 17 1923, 192

Time (local standard) 90th mer. normal time.

| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **A. M.** | | | | | | | | | | | | |
| Temperature at end of hour | 63 | 62 RB 1:00 | 64 | 64 | 64 | 63 | 64 RE 6:25 | 64 | 66 | 67 | 70 | 70 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | |
| Amounts of precipitation | | T | T | T | T | T | T | | | | | |
| Cloudiness and other conditions | | | | | | 2 | Cloudy | | | | | |
| Sunrise: Time, Character, 6:55 Cloudy | | | | | | | | | | | | |
| Moonrise: 1:23 p Cloudy | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0.4 | 0 |
| Wind direction | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | S |
| Wind movement | 4 | 5 | 8 | 9 | 11 | 12 | 11 | 12 | 14 | 15 | 16 | 17 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | |

| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **P. M.** | | | | | | | | | | | | |
| Temperature at end of hour | 62 RB 12:12 | 62 | 62 | 62 | 63 | 64 RE 5:20 | 65 | 63 RB 7:40 | 62 | 62 | 61 | 61 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | |
| Amounts of precipitation | .08 | .10 | .10 | .18 | .02 | .01 | | T | T | .02 | .01 | T |
| Cloudiness and other conditions | | | | Cloudy | | | | | | | | |
| Sunset: Time, Character, 4:28 Cloudy | | | | | | | | | | | | |
| Moonset: 11:52 p | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | S | S | S | S | S | SW | S | S | SE | E | E | E |
| Wind movement | 21 | 13 | 13 | 13 | 11 | 18 | 7 | 3 | 3 | 4 | 4 | 6 |

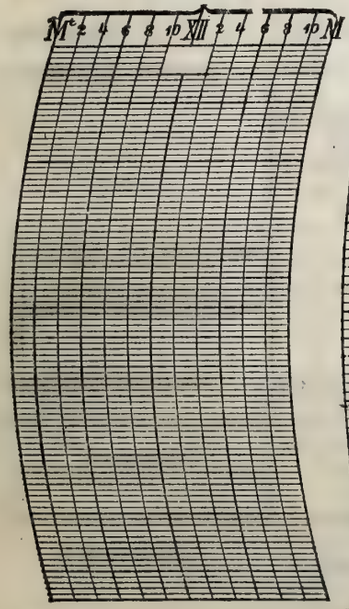
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 71 | 61 | 66 | - |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .49 ins.
Total precipitation, midnight to midnight, .52 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 10
Actual sunshine, hours, 0.4 Possible sunshine, hours, 11.0
Per cent of possible sunshine, 4
Prevailing wind direction, SE Total wind 2650
Average hourly velocity, 10.4 Extreme velocity, 33
Maximum velocity, 28 Direction, S
Time began, 12:02 p.m.
Reduced barometer, 29.84 7 a. m. 29.84 7 p. m.
River gage, 1.4 Feet
Relative humidity, 67 7 a. m. 82 7 p. m.

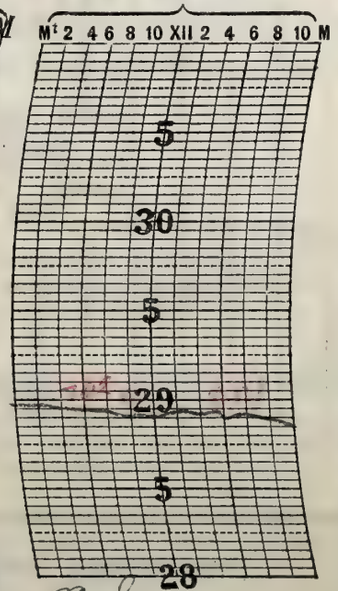
| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 69.0 Wet temperature, 60.0
Dew-point, 54 R. humidity, 59 V. pressure, .417
Clouds: Amount, 10; Kind, St Cu; Direction, S
Velocity of clouds (miles per hour)

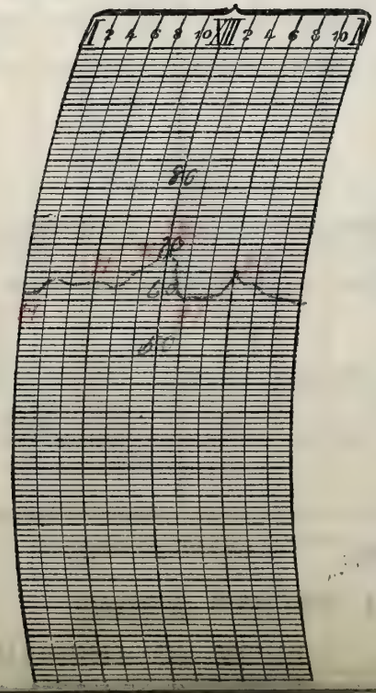
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by CCS
Verified by P. McDonough

## NOTES.

Special 12:00 Noon (75th Meridian Time) observation called for by the Chicago Office
A cloudy day with light occasional rain and moderate temperature

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) OCT 18 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 61 | 61 | 61 | 60 | 59 | 59 | 58 | 57 | 56 | 57 | 57 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 62 | 62 | 61 | 62 | 62 | 62 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | RE 4:15 | RB 5:45 RE 5:50 | | | | | | |
| Amounts of precipitation | T | T | T | T | T | .03 | .07 | .18 | .35 | .07 | .09 | .18 | .14 | .16 | .26 | .03 | T | T | | | | | | |
| Cloudiness and other conditions | Cloudy | | | | | | | | | | | | Cloudy | | | | | | | | | | | |

Sunrise: Time, 5:56 Character, Cloudy
Moonrise: 2:05p Cloudy

Sunset: Time, 4:56 Character, Cloudy
Moonset:

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sunshine (in tenths of hours) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | E | E | E | SE | SE | SE | SE | SE | SE | SE | SE | SE | E | E | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE |
| Wind movement | 5 | 5 | 3 | 3 | 4 | 4 | 5 | 6 | 9 | 8 | 8 | 7 | 8 | 9 | 6 | 7 | 9 | 12 | 12 | 13 | 15 | 12 | 12 | 12 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

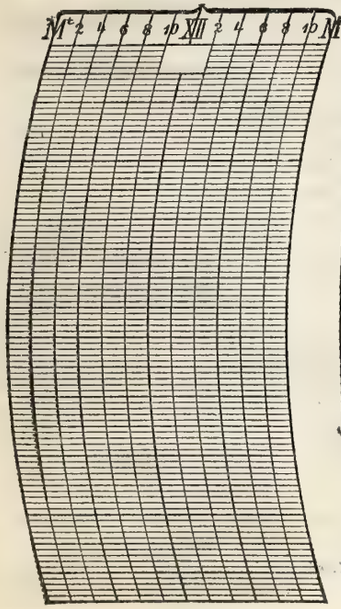
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 62 | 56 | 59 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .12 ins.; to 7 p. m., .47 ins.
Total precipitation, midnight to midnight, 1.56 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 11.0
Per cent of possible sunshine, 0
Prevailing wind direction, SE Total wind, 194
Average hourly velocity, 8.1 Extreme velocity, 19
Maximum velocity, 12 Direction, SE
Time began, 9:21 p.m.
Reduced barometer, 29.66 7 a. m. 29.45 7 p. m.
River gage, 1.7 Fall
Relative humidity, 91 7 a. m. 89 7 p. m.

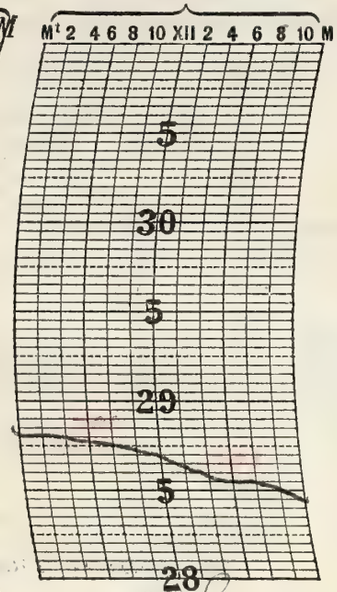
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 56.6 Wet temperature, 56.0
Dew-point, 55 R. humidity, 96 V. pressure, .432
Clouds: Amount, 10; Kind, NB; Direction, SE
Velocity of clouds (miles per hour)

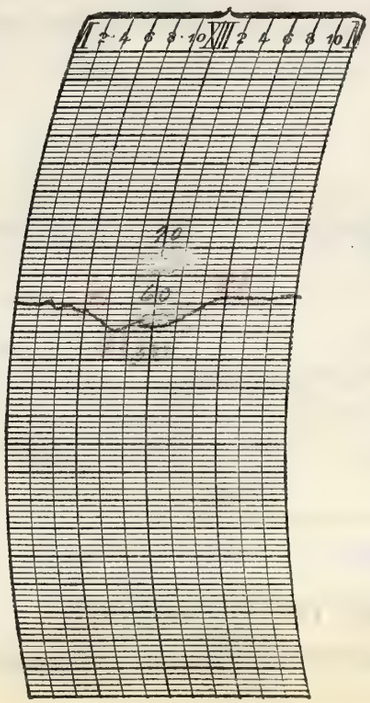
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by
Verified by P. McDonough

8—486

## NOTES.

A rainy day with moderately low temperatures.
Beginning about nine o'clock in the morning there was alternating light through broken clouds from an increasing moon.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) OCT 19 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 61 | 55 | 52 | 50 | 50 | 51 | 50 | 48 | 47 | 48 | 48 | 49 | 48 | 48 | 48 | 47 | 47 | 45 | 46 | 45 | 45 | 44 | 44 | 44 |
| State of weather. Nature of precipitation and time of beginning and ending | RB ONA | | AE ONA | | | | RB 6:20 AE 6:31 | RB 7:25 AE 7:50 | RB 8:08 | AE 9:18 | | | | | | | | | | | | | | |
| Amounts of precipitation | .01 | .01 | T | | | | T | T | .01 | T | | | | | | | | | | | | | | |
| Cloudiness and other conditions | ← Cloudy | | | | | | | | | | | | Cloudy → | | | | | | | | | | | |
| Sunrise: Time, Character, Moonrise: | 5:57 Cloudy; 2:40p Cloudy | | | | | | | | | | | | | | | | | | | | Sunset: 4:25 Cloudy; Moonset: 12:52a | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | S | S | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | W | W | W | W | W | W | W | W | W | W | W | SW |
| Wind movement | 10 | 13 | 25 | 21 | 23 | 20 | 18 | 18 | 21 | 20 | 21 | 18 | 18 | 18 | 16 | 13 | 13 | 13 | 11 | 12 | 11 | 9 | 8 | 8 |
| Maximum velocities (exceeding 29 miles) direction and time | | | 30 NW 2:40 | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

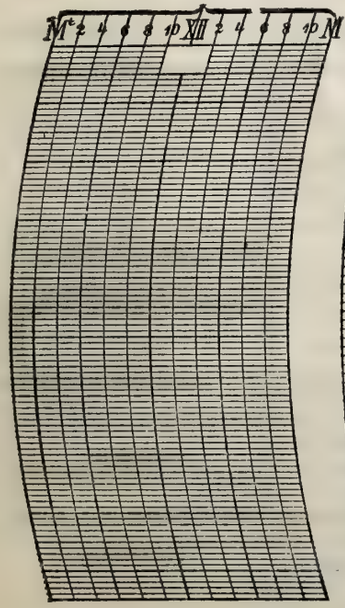
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 62 | 44 | 53 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 6 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .02 ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, .03 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 11.0
Per cent of possible sunshine, 0
Prevailing wind direction, W. Total wind 378
Average hourly velocity, 15.8 Extreme velocity, 32
Maximum velocity, 30 Direction, NW
Time began, 2:40 a.m.
Reduced barometer, 29.85 7 a. m. 29.90 7 p. m.
River gage, 3.4 Feet
Relative humidity, 81 7 a. m. 62 7 p. m.

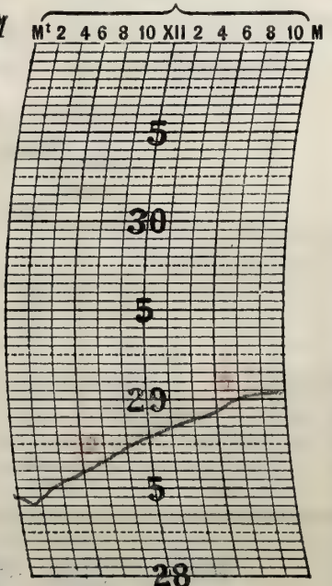
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 48.0 Wet temperature, 44.0
Dew-point, 40 R. humidity, 73 V. pressure, .247
Clouds: Amount, 10; Kind, StCu; Direction, NW
Velocity of clouds (miles per hour)

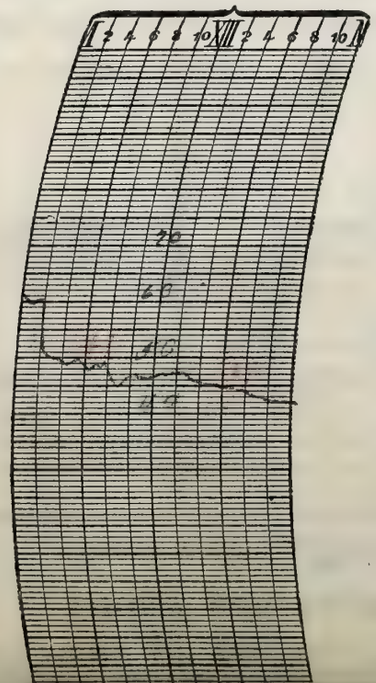
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by

Verified by J. M. McDonough

## NOTES.

A cloudy day with moderately low temperatures and occasional rains during the morning hours.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) OCT 20 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 40 | 38 | 37 | 36 | 36 | 35 | 36 | 40 | 44 | 46 | 46 | 47 | 49 | 50 | 49 | 48 | 46 | 43 | 42 | 41 | 40 | 40 | 39 | 40 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear | | | | | | | | | Pt. Cloudy | | | | Clear | | | | | → |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 0.9 | 0.9 | 0.1 | 0 | | | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | SW | W | W | W | W | W | W | W | NW | NW | NW | NW | NW | NW | W | W |
| Wind movement | 7 | 8 | 9 | 10 | 11 | 12 | 11 | 10 | 12 | 15 | 14 | 18 | 14 | 13 | 14 | 11 | 9 | 8 | 7 | 6 | 4 | 3 | 5 | 4 |
| Maximum velocities (exceeding 22 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time 5:58, Character Clear
Moonrise: 3:11 a, Character Cloudy
Sunset: Time 4:53, Character Clear
Moonset: 1:52 a

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

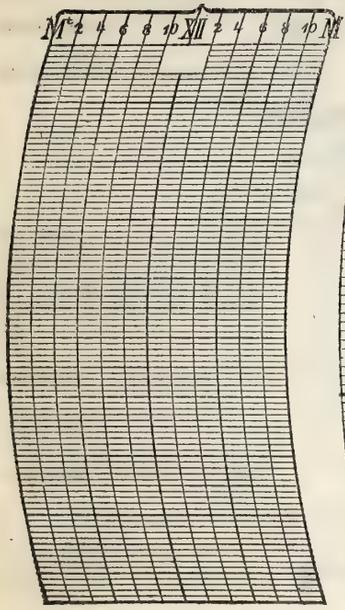
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 50 | 35 | 42 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 10.6 Possible sunshine, hours, 10.9
Per cent of possible sunshine, 97
Prevailing wind direction, SW. & W. Total wind 235
Average hourly velocity, 9.8 Extreme velocity, 25
Maximum velocity, 22 Direction, W
Time began, 11 a.m.
Reduced barometer, 30.08 7 a. m. 30.22 7, p. m.
River gage, 4.4 Feet
Relative humidity, 82 7 a. m. 62 7 p. m.

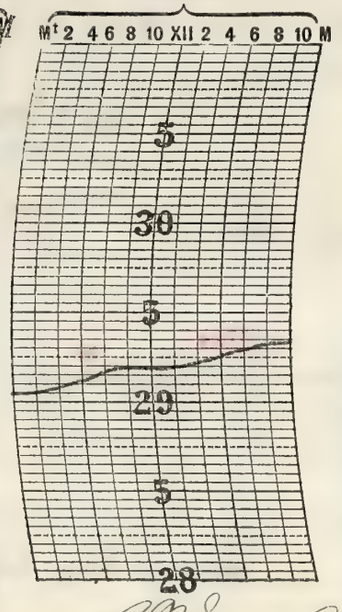
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 47.0 Wet temperature, 38.0
Dew-point, 25 R. humidity, 41 V. pressure, 130
Clouds: Amount, 2; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

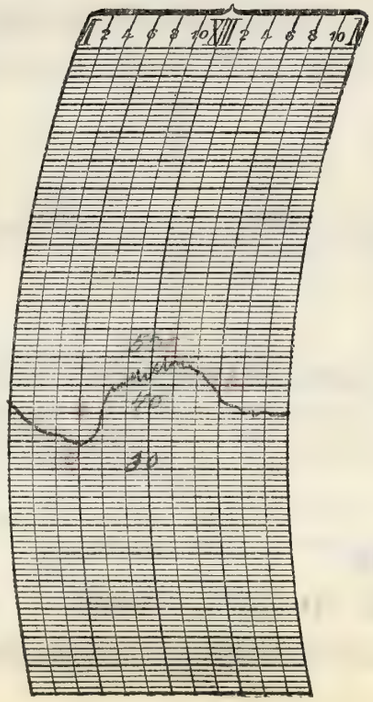
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by C.E.S.
Verified by O. M. McDonough

8—486

## NOTES.

A clear and cool, pleasant day, The sun set south of the southwest corner of the new First National Bank Building today the building obscuring the sunset from the 11th to 19th inclusive

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) OCT 21 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 39 | 39 | 38 | 38 | 38 | 38 | 38 | 40 | 42 | 44 | 46 | 47 | 48 | 47 | 47 | 46 | 45 | 43 | 43 | 41 | 40 | 37 | 36 | 36 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← Cloudy → | | | | | | ← Cloudy → | | | × | Pt Cloudy | | × | Clear → | | | | |
| Sunrise: Time, Character, 5:59 Cloudy. Moonrise: 9:42p Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:52 Cloudy. Moonset: 2:07a | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0.1 | 0.2 | 0 | 0.1 | 0.2 | 0.3 | 0 | 0 | | | | | | | |
| Wind direction | W | W | W | W | W | W | W | W | NW | N | N | N | N | N | NW | N | N | N | N | N | N | N | N | N |
| Wind movement | 3 | 3 | 2 | 4 | 3 | 4 | 5 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 7 | 6 | 3 | 3 | 3 | 3 | 3 | 5 | 4 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

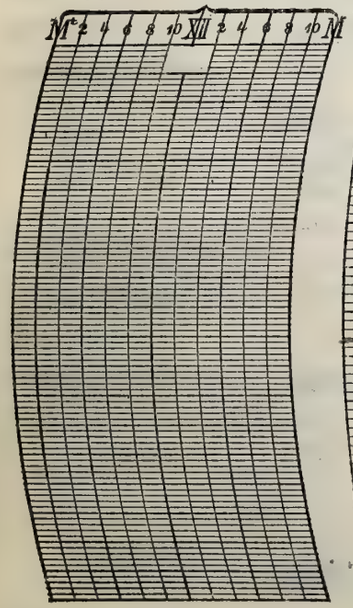
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 48 | 36 | 42 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 1 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0.9 Possible sunshine, hours, 10.9
Per cent of possible sunshine, 8
Prevailing wind direction, N Total wind 102
Average hourly velocity, 4.2 Extreme velocity, 10
Maximum velocity, 10 Direction, NW
Time began, 3:09 pm
Reduced barometer, 29.25 1 a. m. 30.39 1 p. m.
River gage, 3.5 Feet
Relative humidity, 25 1 a. m. 54 1 p. m.

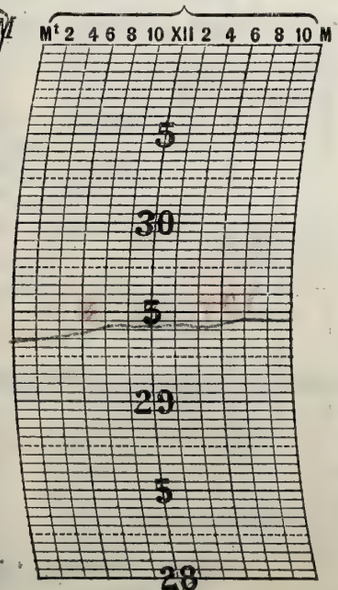
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 46.0 Wet temperature, 28.0
Dew-point, 12 R. humidity, 46 V. pressure, .143
Clouds: Amount, 9; Kind, Cu.; Direction, NW
Velocity of clouds (miles per hour)

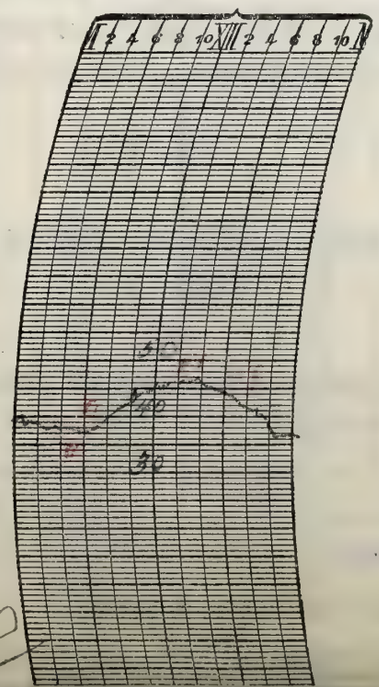
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by

Verified by P. McDonough

## NOTES.

A cloudy and cool day through [illegible] and [illegible]

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) OCT 22 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 34 | 34 | 33 | 33 | 32 | 32 | 34 | 39 | 43 | 44 | 45 | 47 | 48 | 48 | 49 | 49 | 47 | 45 | 44 | 43 | 41 | 40 | 38 | 37 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear | | | | | | | | | | | | | | | | | | → |
| Sunshine (in tenths of hours) | | | | | | | 1.00 0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.5 | 0.5 | 0 | | | | | | |
| Wind direction | N | N | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | E | E | NE | NE | NE | NE | NE |
| Wind movement | 4 | 5 | 6 | 6 | 5 | 6 | 4 | 5 | 6 | 10 | 9 | 8 | 10 | 10 | 10 | 9 | 8 | 5 | 4 | 4 | 5 | 4 | 4 | 4 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:00 Character, Clear
Moonrise: 4:11 P Clear
Sunset: Time, 4:51 Character, Clear
Moonset: 3:50a

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

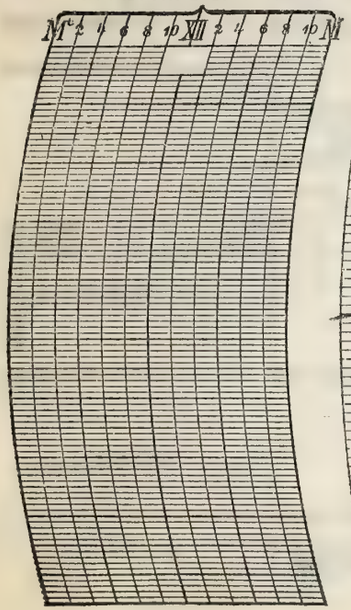
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 49 | 32 | 40 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 10.8 Possible sunshine, hours, 10.8
Per cent of possible sunshine, 100
Prevailing wind direction, NE Total wind 155
Average hourly velocity, 6.3 Extreme velocity, 12
Maximum velocity, 12 Direction, NE
Time began, 12:27 pm
Reduced barometer, 30.48 7 a. m. 30.41 7 p. m.
River gage, 2.9 Feet
Relative humidity, 70 7 a. m. 55 7 p. m.

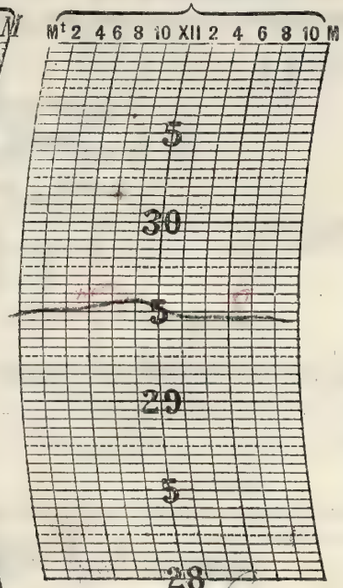
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 42.0 Wet temperature, 37.0
Dew-point, 22 R. humidity, 35 V. pressure, .143
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

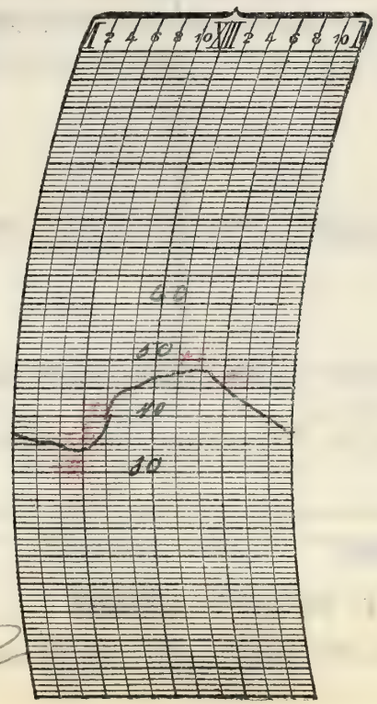
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



NOTES.

A clear, cool, pleasant, and very invigorating day.

Prepared by
Verified by F. McDonough

8—486

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) OCT 23 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 36 | 34 | 35 | 34 | 35 | 35 | 36 | 39 | 44 | 47 | 50 | 53 | 54 | 55 | 55 | 54 | 53 | 50 | 49 | 48 | 47 | 47 | 46 | 44 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Clear | | | | | | | | | Clear | | | | Pt Cloudy | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 0.8 | 1.0 | 0.6 | 0 | | | | | | | |
| Wind direction | NE | N | N | N | N | N | N | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | N | N | N | N | N | N | N |
| Wind movement | 4 | 4 | 6 | 5 | 6 | 7 | 7 | 9 | 12 | 14 | 17 | 17 | 18 | 18 | 19 | 16 | 12 | 7 | 8 | 8 | 9 | 11 | 10 | 9 |
| Maximum velocities (exceeding 22 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:02 Character, Clear
Moonrise: 4:39 p Clear
Sunset: Time, 4:49 Character, Clear
Moonset: 4:47 p Clear

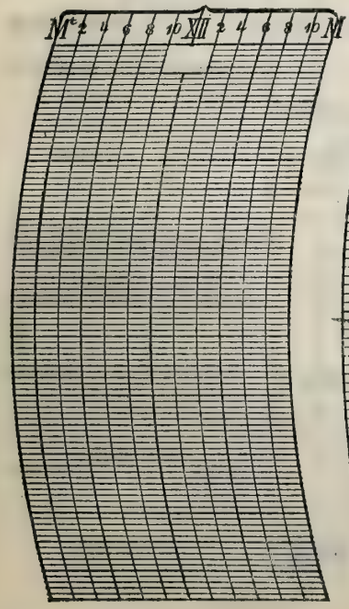
| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 55 | 34 | 44 | |

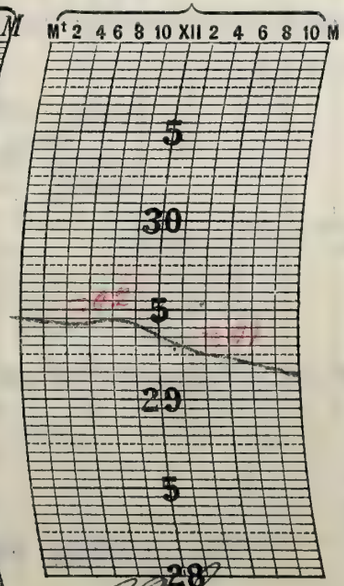
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 10.5 Possible sunshine, hours, 10.8
Per cent of possible sunshine, 97
Prevailing wind direction, N Total wind 265
Average hourly velocity, 10.5 Extreme velocity, 23
Maximum velocity, 22 Direction, NE
Time began, 1:34 p m.
Reduced barometer, 30.35 7 a. m. 30.14 7 p. m.
River gage, 2.5 Feet
Relative humidity, 75 7 a. m. 61 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 52.0 Wet temperature, 42.0
Dew-point, 29 R. humidity, 41 V. pressure, .157
Clouds: Amount, 1; Kind, Cu.; Direction, NE
Velocity of clouds (miles per hour)

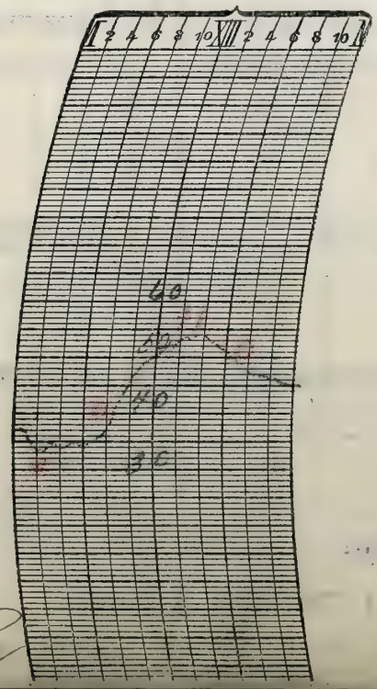
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by P. McDonough
Verified by

NOTES.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) OCT 24 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 44 | 43 | 43 | 44 | 44 | 44 | 45 | 46 | 48 | 50 | 10 | 51 | 52 | 53 | 54 | 54 | 54 | 53 | 52 | 52 | 52 | 51 | 50 | 48 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | AB 6:30 | RE 7:07 | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | T | T | | | | |
| Cloudiness and other conditions | | | | | | | ← Cloudy | | | | | | × Pt. Cloudy | | | | | × | Cloudy | | → | | | |

Sunrise: Time, 6:03 Character, Cloudy
Moonrise: 5:09 P Cloudy
Sunset: Time, 4:48 Character, Cloudy
Moonset: 5:43 a Cloudy

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | N | N | N | N | N | N | N | N | N | N | N | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW |
| Wind movement | 9 | 10 | 12 | 13 | 14 | 14 | 17 | 18 | 19 | 20 | 19 | 19 | 19 | 20 | 21 | 13 | 15 | 14 | 18 | 20 | 16 | 16 | 14 | 11 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

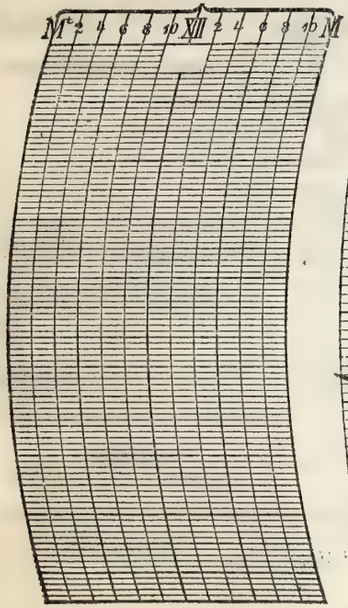
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 54 | 43 | 48 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy Moon phase Full 12:26 p.
Average daily cloudiness (0–10), 7
Actual sunshine, hours, 0.2 Possible sunshine, hours, 10.8
Per cent of possible sunshine, 2
Prevailing wind direction, NW Total wind, 383
Average hourly velocity, 16.0 Extreme velocity, 28
Maximum velocity, 27 Direction, NW
Time began, 6:55 pm
Reduced barometer, 29.94 7 a. m. 29.92 7 p. m.
River gage, 2.4 Feet.
Relative humidity, 59 7 a. m. 66 7 p. m.

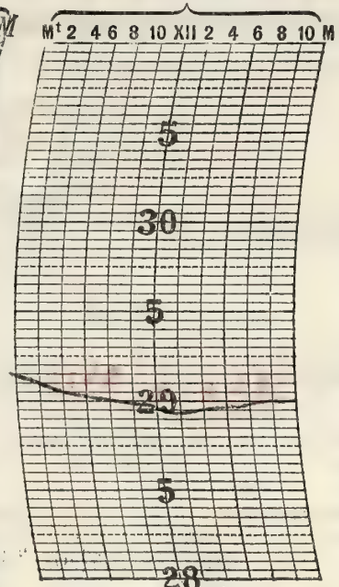
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 51.0 Wet temperature, 42.0
Dew-point, 31 R. humidity, 45 V. pressure, 172
Clouds: Amount, 10; Kind, ASt; Direction, NW
Velocity of clouds (miles per hour)

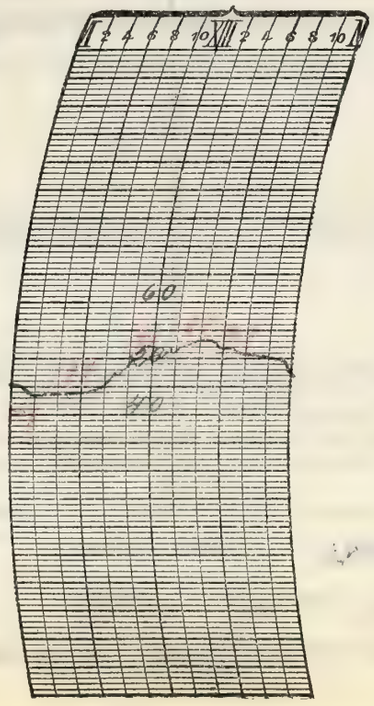
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by
Verified by T. M. Donnegan

8—486

## NOTES.

Special 1:00 p.m. (75th Meridian Time) observation called for by the Chicago Office
A partly cloudy and moderately cool day, no other unusual occurrences.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) OCT 27 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 47 | 47 | 46 | 46 | 45 | 45 | 46 | 47 | 48 | 50 | 53 | 53 | 52 | 57 | 57 | 56 | 53 | 49 | 48 | 47 | 47 | 46 | 44 | 43 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Clear | → | PM Cloudy | → | Clear | | | | Clear | → | PM | → | Cloudy | → | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0.1 | 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.6 | 0 | | | | | | | |
| Wind direction | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | N | N | N |
| Wind movement | 10 | 11 | 10 | 10 | 10 | 10 | 10 | 13 | 17 | 15 | 14 | 14 | 12 | 14 | 15 | 14 | 13 | 13 | 12 | 13 | 11 | 10 | 7 | 5 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:04 Character, Clear
Moonrise: 5:41p Clear
Sunset: Time, 4:46 Character, Clear
Moonset: 6:32a Clear

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

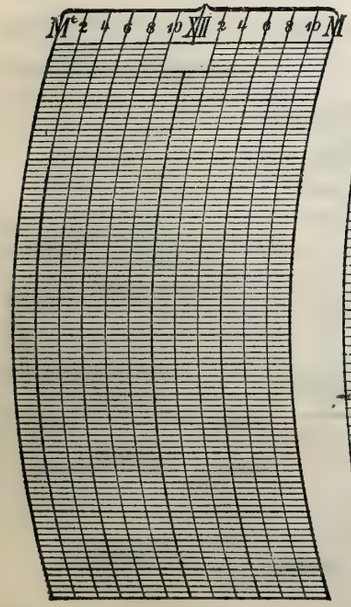
Excessive precipitation, accumulated amounts

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 58 | 43 | 50 | |

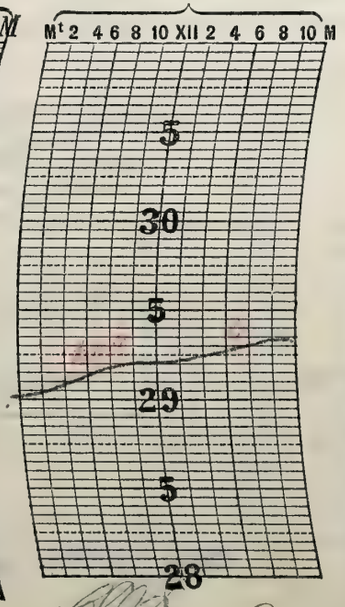
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 10.0 Possible sunshine, hours, 10.7
Per cent of possible sunshine, 93
Prevailing wind direction, NW Total wind 283
Average hourly velocity, 11.8 Extreme velocity, 23
Maximum velocity, 21 Direction, NW
Time began, 8:14 p.m.
Reduced barometer 30.09 7 a. m. 30.14 7 p. m.
River gage, 2.4 Feet.
Relative humidity, 86 7 a. m. 83 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 52.7 Wet temperature, 49.2
Dew-point, 41 R. humidity, 64 V. pressure, .236
Clouds: Amount, Few; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

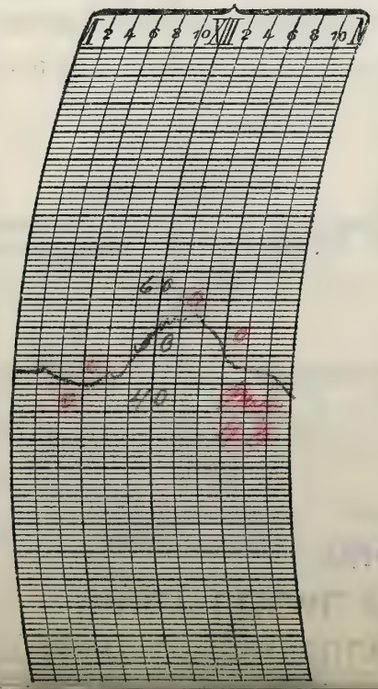
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by
Verified by P. McDonough

NOTES.

A clear and moderately cool day.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) OCT 26 1923, 192

Time (local standard). 90" mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 42 | 42 | 41 | 41 | 41 | 41 | 40 | 40 | 40 | 40 | 41 | 41 | 42 | 42 | 43 | 42 | 42 | 42 | 42 | 42 | 41 | 41 | 42 | 42 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | C | | Cloudy | | | | | | Cloudy | | | | | | | → | | |
| Sunrise: Time, Character, 6:10a Cloudy. Moonrise: 6:15p Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:45 Cloudy. Moonset: 7:38a Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | N | N | N | N | N | N | N | NE | N | E | NE | NE | NE | NE | E | E | E | E | E | E | E | E | SE | SE |
| Wind movement | 6 | 4 | 5 | 4 | 5 | 5 | 4 | 5 | 3 | 3 | 5 | 3 | 3 | 5 | 3 | 4 | 4 | 3 | 5 | 5 | 4 | 3 | 3 | 2 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | |

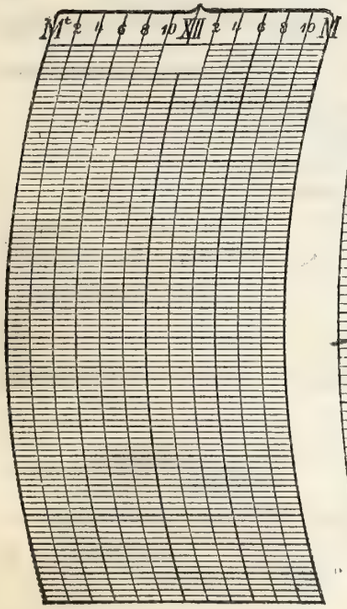
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 43 | 40 | 42 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 10.7
Per cent of possible sunshine, 0
Prevailing wind direction, E Total wind, 95
Average hourly velocity, 4.0 Extreme velocity, 8
Maximum velocity, 8 Direction, E
Time began, 7:03 p m
Reduced barometer, 30.41 7 a. m. 30.38 7 p. m.
River gage, 2.3 Feet
Relative humidity, 94 7 a. m. 90 7 p. m.

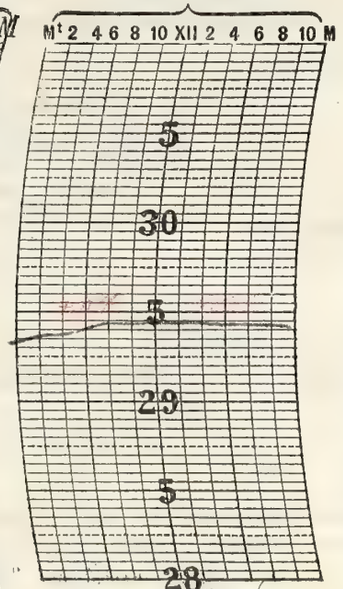
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 41.8 Wet temperature, 40.8
Dew-point, 40 R. humidity, 92 V. pressure, 247
Clouds: Amount, 10; Kind, St; Direction, NE
Velocity of clouds (miles per hour)

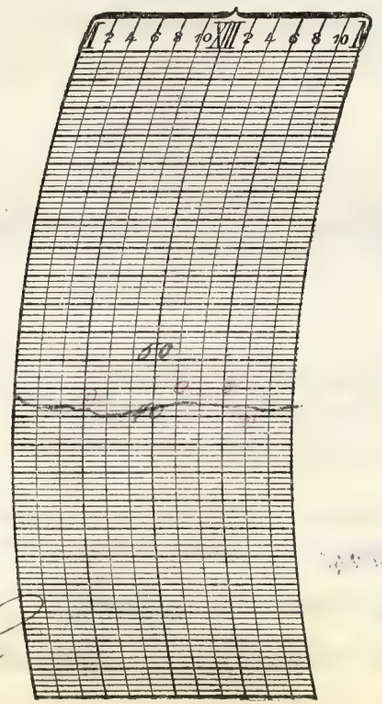
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




NOTES.

A cloudy and threatening day with moderate temperature.

Prepared by

Verified by O. M. Smith

8—486

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) OCT 21 1923, 192

Time (local standard). 95th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 43 | 45 | 46 | 48 | 49 | 51 | 52 | 52 | 52 | 51 | 50 | 50 | 49 | 48 | 47 | 46 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | RB DNA RE 6:00 | | RB 7:15 RE 7:19 | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | .01 | | T | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← Cloudy | | | | | | | | Cloudy | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | NE | NE | E | E | E | E | E | E | E | E | E | SE | SE | SE | SE | SE | S | S | S | SW | SW | SW | SW | SW |
| Wind movement | 4 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 4 | 3 | 3 | 4 | 5 | 3 | 3 | 1 | 1 | 6 | 8 | 10 | 11 | 12 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:06a Character, Cloudy
Moonrise: 6:52p Cloudy
Sunset: Time, 4:44 Character, Cloudy
Moonset: 8:30a Cloudy

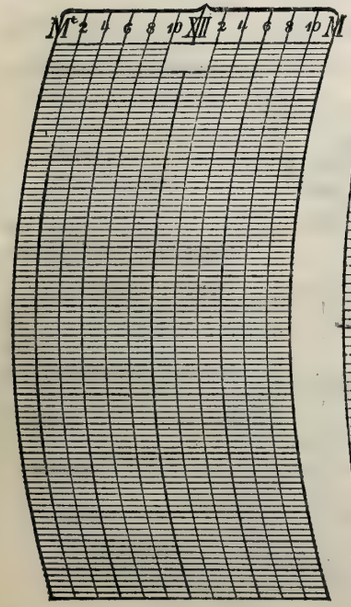
| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 52 | 42 | 47 | |

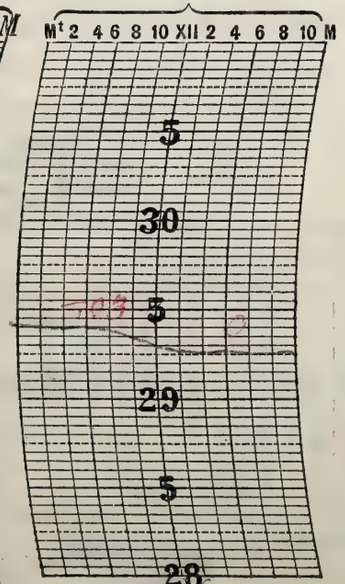
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .01 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 10.6
Per cent of possible sunshine, 0
Prevailing wind direction, E Total wind 1114
Average hourly velocity, 4.8 Extreme velocity, 15
Maximum velocity, 13 Direction, SW
Time began, a.m. p.m.
Reduced barometer, 30.31 7 a. m. 30.18 7 p. m.
River gage, 2.2 feet
Relative humidity, 94 7 a. m. 81 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 48.0 Wet temperature, 45.0
Dew-point, 42 R. humidity, 80 V. pressure, .266
Clouds: Amount, 10; Kind, St; Direction, W.
Velocity of clouds (miles per hour)

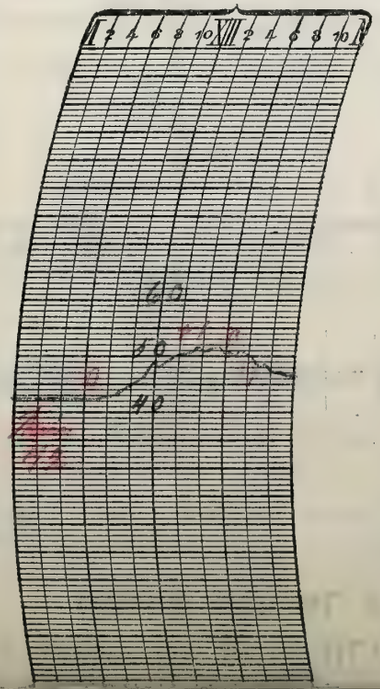
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



NOTES.

A Sunday and moderately cool day with a couple very light showers in the early morning

Prepared by
Verified by C. M. Donovan

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne. Ind., (Day of week) Sunday, (Date) OCT 28 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 45 | 45 | 44 | 44 | 44 | 44 | 44 | 45 | 48 | 50 | 51 | 51 | 51 | 51 | 53 | 52 | 50 | 48 | 47 | 46 | 44 | 43 | 42 | 41 |
| State of weather. Nature of precipitation and time of beginning and ending | | | RB | RB | RBmE | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | 2 | 5 | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | T | | | Cloudy | | | Pt. Cloudy | | | | | Pt. Cloudy | | | | Clear | | | 7 | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0.6 | 1.0 | 0.7 | 0.6 | 1.0 | 0.5 | 0.8 | 0.5 | 0 | | | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | W | W | W | W | W | W | W | W | W | W | W | W | W | W |
| Wind movement | 10 | 8 | 8 | 9 | 8 | 9 | 9 | 7 | 11 | 13 | 13 | 15 | 15 | 15 | 13 | 10 | 7 | 4 | 4 | 5 | 5 | 3 | 1 | 1 |
| Maximum velocities (exceeding 27 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:07 Character, Cloudy
Moonrise: 7:04p Clear
Sunset: Time, 4:42 Character, Cloudy
Moonset: 9:24a Cloudy

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

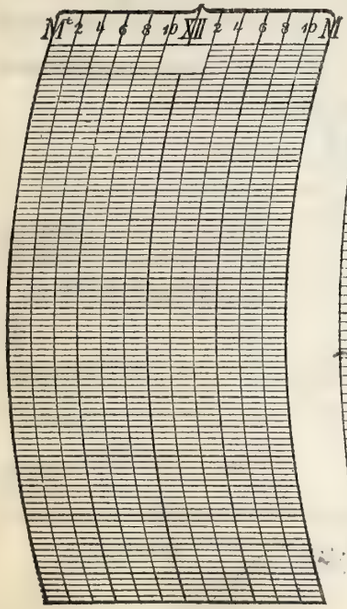
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 53 | 41 | 47 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0–10), 5
Actual sunshine, hours, 5.7 Possible sunshine, hours, 10.6
Per cent of possible sunshine, 54
Prevailing wind direction, W Total wind, 205
Average hourly velocity, 8.5 Extreme velocity, 23
Maximum velocity, 20 Direction, W
Time began, 1:23 p.m.
Reduced barometer, 30.24 7 a. m. 30.31 2 p. m.
River gage, 2.4 Feet
Relative humidity, 92 7 a. m. 55 7 p. m.

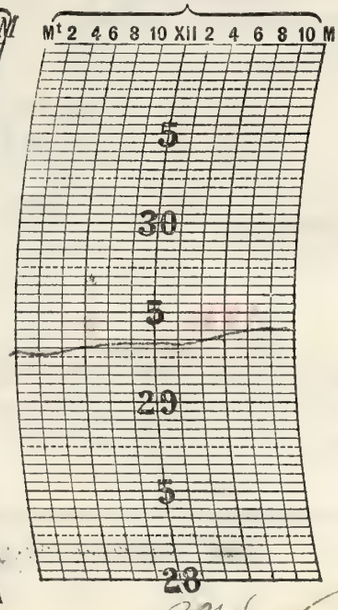
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 51.2 Wet temperature; 46.2
Dew-point, 38 R. humidity, 60 V. pressure, 29.8
Clouds: Amount, 6; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

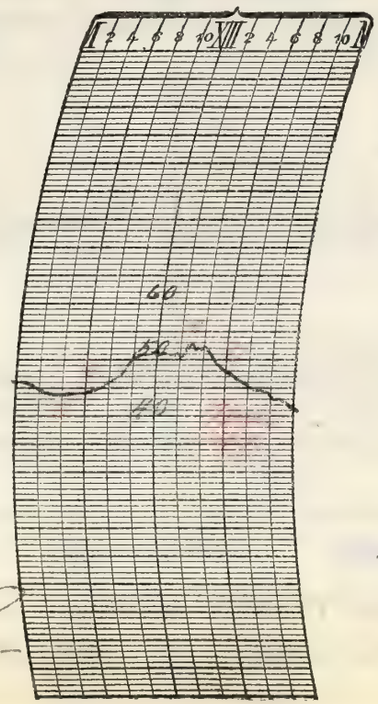
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by
Verified by

8—486

## NOTES.

A partly cloudy and cool day. Mainly warm pleasant and clear.
A very faint lunar halo 22° radius was observed at 10:30 p.m.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) OCT 29 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 39 | 38 | 37 | 32 | 32 | 35 | 36 | 38 | 41 | 46 | 47 | 47 | 48 | 48 | 48 | 47 RB 3:25 | 47 RE 4:15 | 47 | 47 | 46 RB 7:20 | 44 | 44 | 44 | 44 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | T | T | | | T | .02 | .01 | T | .07 |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Pt Cloudy | | Cloudy | | | | | | Cloudy | | | | | | | | | |
| Sunrise: Time, Character, 6:09 Cloudy. Moonrise: 8:20p Cloudy | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:41 Cloudy. Moonset: 10:16a Cloudy | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | W | S | O | S | S | O | S | W | W | W | SW | S | NW | N | N | NE | E | E | E | E | E | E | E | E |
| Wind movement | 1 | 2 | 0 | 1 | 1 | 0 | 2 | 3 | 2 | 3 | 4 | 4 | 5 | 4 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 5 | 6 | 7 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

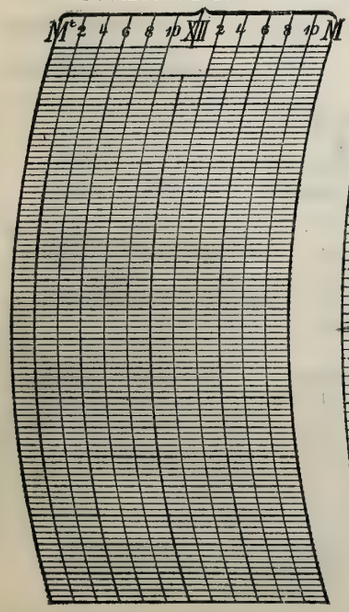
| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 48 | 34 | 41 | |

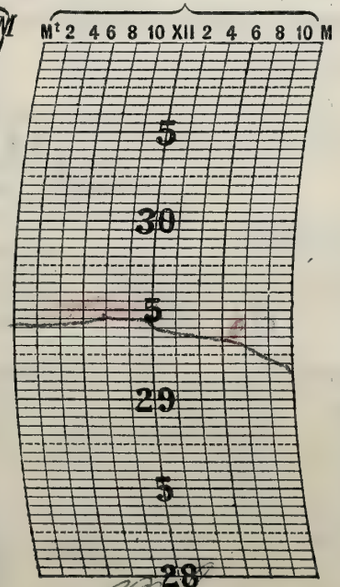
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .10 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 9
Actual sunshine, hours, 0 Possible sunshine, hours, 10.5
Per cent of possible sunshine, 0
Prevailing wind direction, E Total wind, 94
Average hourly velocity, 3.1 Extreme velocity, 9
Maximum velocity, 9 Direction, E
Time began, 11:17 p.m.
Reduced barometer, 30.38 7 a. m. 30.22 7 p. m.
River gage, 2.1 Feet
Relative humidity, 78 7 a. m. 67 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 42.2 Wet temperature, 39.7
Dew-point, 30 R. humidity, 50 V. pressure, .164
Clouds: Amount, 10; Kind, A St.; Direction, W.
Velocity of clouds (miles per hour)

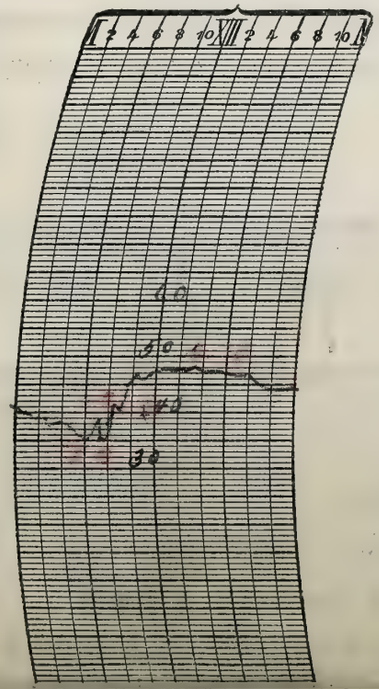
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




NOTES.

A cloudy and cool day.

Prepared by

Verified by P. McDonough

Form No. 1014—Met-1.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) OCT 30 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 44 | 46 | 49 | 42 | 41 | 37 RE ONA | 37 | 37 RB 7:30 RE 7:40 | 37 | 40 | 40 | 41 | 39 RB 12:40 | 38 RE 1:15 | 37 | 35 | 34 | 33 | 33 | 33 | 33 | 32 | 32 | 31 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | .04 | .01 | .17 | .26 | .01 | .01 | | T | | | | | I | T | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← Cloudy | | | | | | | | | | Cloudy → | | | | | | | |
| Sunrise: Time, Character, 6:10 Cloudy. Moonrise: 9:11 P Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:40 Cloudy. Moonset: 11:05 P Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | E | SE | S | NW | NW | N | N | N | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | W | W | NW | NW | W |
| Wind movement | 6 | 5 | 7 | 10 | 15 | 13 | 12 | 10 | 13 | 12 | 14 | 12 | 14 | 14 | 15 | 23 | 15 | 10 | 9 | 7 | 7 | 8 | 8 | 8 |
| Maximum velocities (exceeding 20 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

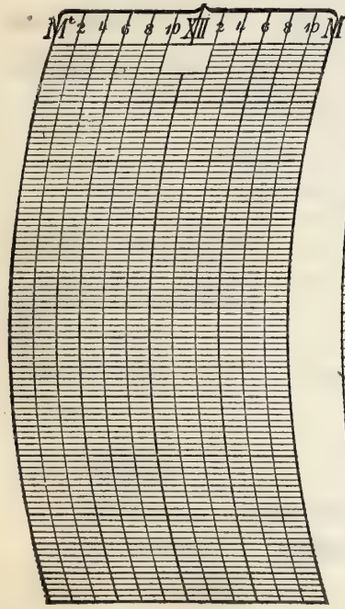
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 49 | 31 | 40 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 6 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .60 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .30 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.2 Possible sunshine, hours, 10.5
Per cent of possible sunshine, 2
Prevailing wind direction, NNW. Total wind 257
Average hourly velocity, 10.7 Extreme velocity, 20
Maximum velocity, 19 Direction, NNW.
Time began, 8:25 p.m.
Reduced barometer, 30.16 7 a. m. 30.12 7 p. m.
River gage, 2.2 Feet
Relative humidity, 95 7 a. m. 71 7 p. m.

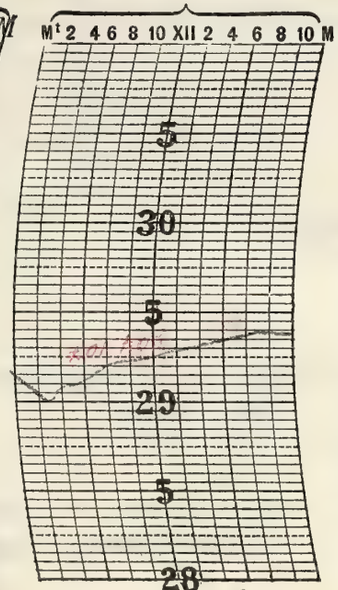
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 39.8 Wet temperature, 37.6
Dew-point, 34 R. humidity, 81 V. pressure, .195
Clouds: Amount, 10; Kind, St Cu; Direction, NW
Velocity of clouds (miles per hour)

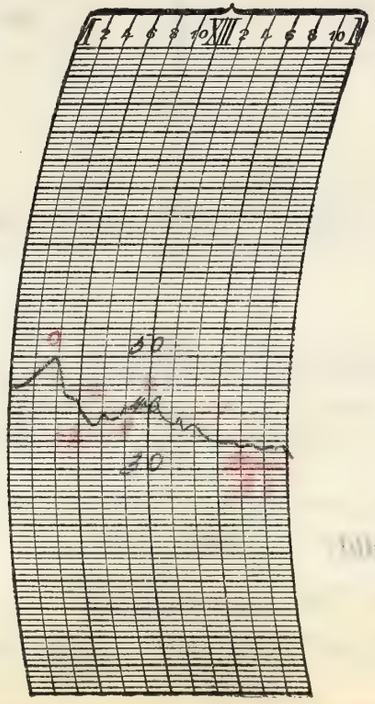
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by

Verified by T. M. Donaugh

8—486

## NOTES.

Special 12:00 Noon (75th Meridian Time) observation called for by the Chicago Office.

A cloudy and cool day with steadily falling temperature

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) OCT 31 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 31 | 30 | 29 | 28 | 28 | 28 | 27 | 29 | 31 | 31 | 35 | 37 | 39 | 41 | 42 | 41 | 40 | 39 | 38 | 38 | 37 | 36 | 34 | 34 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← Clear | | | | | | Clear → | | | | | | | | | | | |
| Sunrise: Time, Character, 6:11 Clear. Moonrise: 10:06 p Clear. | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:38 Clear. Moonset: 11:52 a Clear. | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0.4 | 0.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.4 | 0 | | | | | | | |
| Wind direction | W | W | W | W | W | W | SW | SW | W | W | W | W | SW | W | W | W | W | W | NW | NW | NW | W | W | W |
| Wind movement | 8 | 7 | 7 | 7 | 8 | 7 | 9 | 9 | 10 | 13 | 12 | 14 | 14 | 13 | 16 | 15 | 11 | 10 | 11 | 8 | 6 | 5 | 5 | 3 |
| Maximum velocities (exceeding 17 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

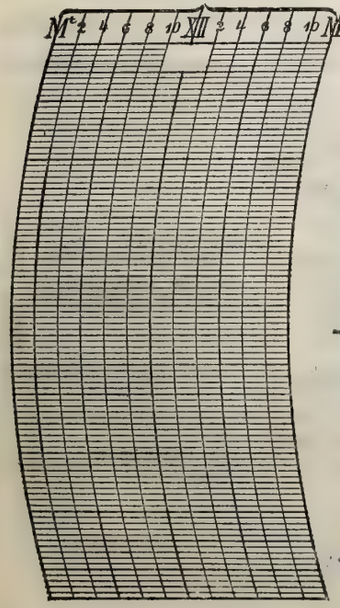
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 42 | 27 | 34 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 6 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 6 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear. Moon phase,
Average daily cloudiness (0–10), Few
Actual sunshine, hours, 9.6 Possible sunshine, hours, 10.4
Per cent of possible sunshine, 92
Prevailing wind direction, W. Total wind 228
Average hourly velocity, 9.5 Extreme velocity, 19
Maximum velocity, 18 Direction, W.
Time began, 1:21 p.m.
Reduced barometer, 30.32 7 a. m. 30.32 7 p. m.
River gage, 1.4 Feet.
Relative humidity, 78 7 a. m. 64 7 p. m.

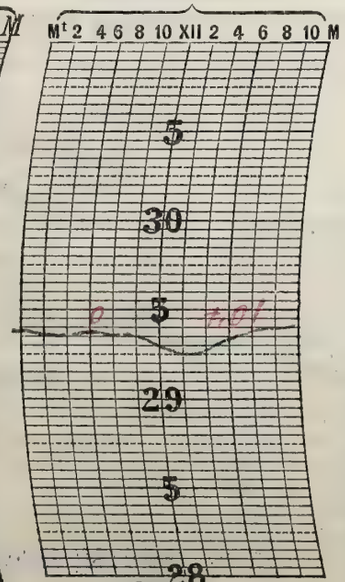
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 36.0 Wet temperature, 29.0
Dew-point, 15 R. humidity, 39 V. pressure, .081
Clouds: Amount, Few; Kind, Cu.; Direction, NW.
Velocity of clouds (miles per hour)

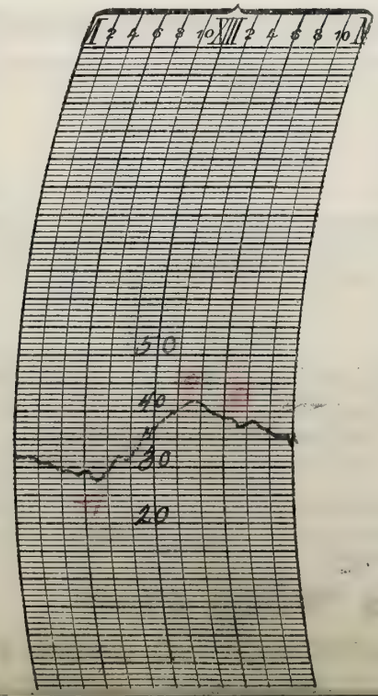
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by

Verified by C. McDonough

8—486

## NOTES.

A clear and cold day. Moderate moonlight Fat night from a decreasing moon.

Form No. 1014—Met'l.

Form No. 1014—Met 1.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) NOV - 1 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 33 | 31 | 30 | 29 | 29 | 30 | 30 | 34 | 39 | 41 | 43 | 45 | 46 | 47 | 48 | 46 | 45 | 43 | 42 | 40 | 39 | 39 | 38 | 37 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← Clear | | | | | | — Clear | | | | | | | | | | | → |
| Sunrise: Time, Character, | 6:12 Clear | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: | 11:06p Clear | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, Character, | | | | | | | | | | | | | | | | | | | | | 4:32 Clear | | | |
| Moonset: | | | | | | | | | | | | | | | | | | | | | 12:33p Clear | | | |
| Sunshine (in tenths of hours) | | | | | | | .80 0 | 1.0 0 | 0.4 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.6 0.4 | .62 0 | | | | | | | |
| Wind direction | W | W | W | W | W | W | W | W | S | S | S | S | SW | SW | S | S | S | SE | SE | SE | SE | SE | SE | S |
| Wind movement | 3 | 3 | 1 | 2 | 1 | 2 | 2 | 4 | 8 | 8 | 6 | 6 | 8 | 8 | 7 | 7 | 6 | 3 | 6 | 6 | 6 | 7 | 8 | 9 |
| Maximum velocities (exceeding 23 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

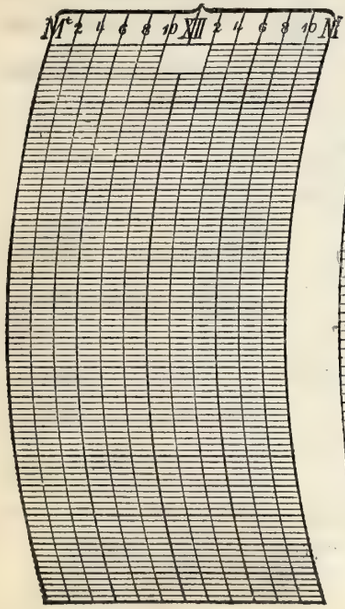
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 48 | 29 | 38 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, L.Q. 2:42p
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 10.4 Possible sunshine, hours, 10.4
Per cent of possible sunshine, 100
Prevailing wind direction, S. & W. Total wind 127
Average hourly velocity, 5.3 Extreme velocity, 11
Maximum velocity, 11 Direction, S
Time began, 11:09 p.m.
Reduced barometer, 30.48 7 a. m. 30.43 7 p. m.
River gage, 2.4 Feet
Relative humidity, 84 7 a. m. 48 7 p. m.

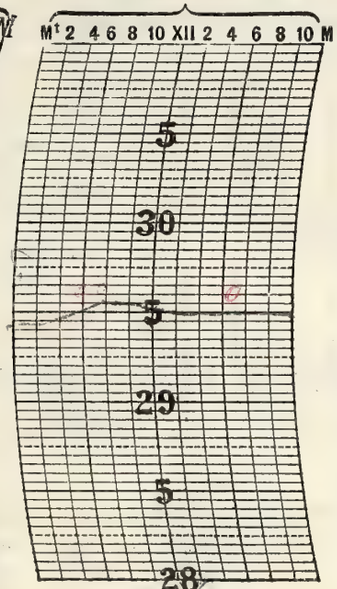
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 45.0 Wet temperature, 35.8
Dew-point, 21 R. humidity, 38 V. pressure, 10.8
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

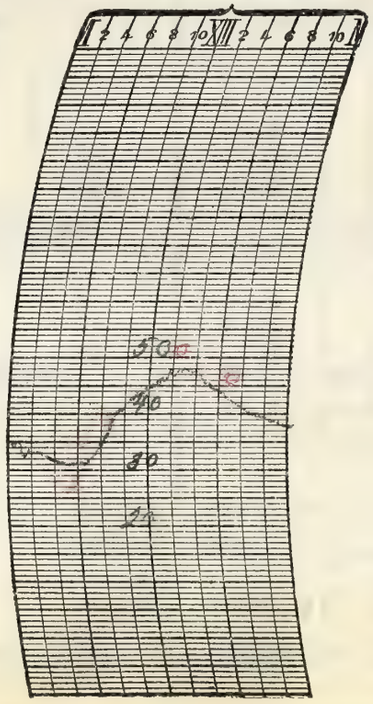
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



NOTES.

A clear and cool day with slowly rising temperature

Prepared by

Verified by T. McDonough

8—486

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) NOV -2 1923, 192

Time (local standard) 90° mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 36 | 36 | 36 | 35 | 35 | 34 | 34 | 37 | 41 | 44 | 47 | 50 | 52 | 52 | 51 | 50 | 49 | 48 | 47 | 46 | 46 | 46 | 44 | 42 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | × Clear | | × P. Cloudy | | | | | | × | | Clear | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0.1 | 0.2 | 0.7 | 0.9 | 0.8 | 0.7 | 0 | 0 | | | | | | | |
| Wind direction | SE | SE | SE | SE | SE | SE | SE | SE | SE | S | S | S | S | S | SE | SE | SE | SE | SE | SE | SE | S | S | S |
| Wind movement | 7 | 4 | 4 | 8 | 7 | 5 | 3 | 3 | 2 | 3 | 6 | 6 | 4 | 4 | 5 | 5 | 5 | 3 | 2 | 3 | 5 | 5 | 3 | 3 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:13 Character, Cloudy. Moonrise: —

Sunset: Time, 4:36 Character, Cloudy. Moonset: 1:130 Cloudy

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

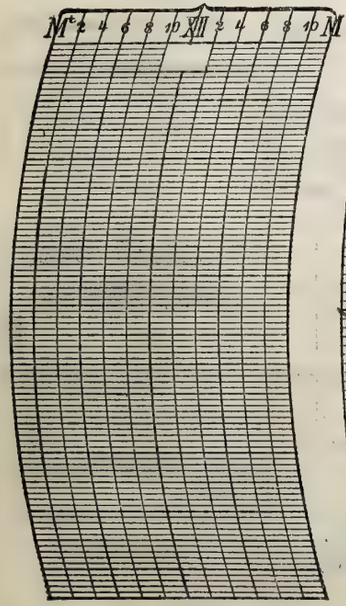
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 53 | 34 | 44 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0–10), 3
Actual sunshine, hours, 3.4 Possible sunshine, hours, 10.4
Per cent of possible sunshine, 33
Prevailing wind direction, SE Total wind 105
Average hourly velocity, 4.4 Extreme velocity, 9
Maximum velocity, 9 Direction, SE
Time began, 4:12 p. m.
Reduced barometer, 30.39 7 a. m. 30.51 7 p. m.
River gage, 1.2 Fall
Relative humidity, 72 7 a. m. 64 7 p. m.

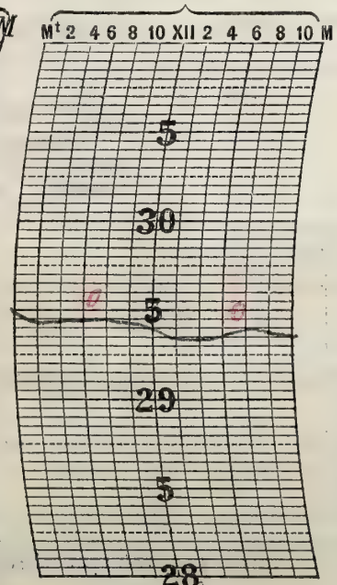
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 49.0 Wet temperature, 39.0
Dew-point, 25 R. humidity, 37 V. pressure, 130
Clouds: Amount, 5; Kind, ACu; Direction, SW.
Velocity of clouds (miles per hour)

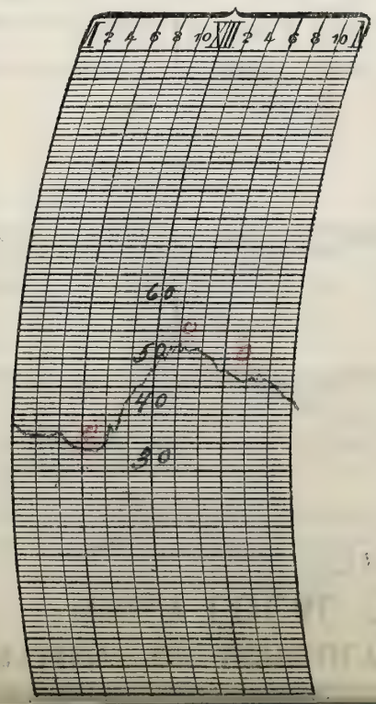
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by CCS

Verified by P. McDonough

8—486

## NOTES.

A clear and cool, pleasant day with slowly rising temperature

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind, (Day of week) Saturday, (Date) NOV -3 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 40 | 39 | 38 | 35 | 34 | 33 | 33 | 35 | 40 | 45 | 50 | 52 | 53 | 52 | 51 | 51 | 49 | 48 | 47 | 46 | 46 | 45 | 45 | 45 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | RB 4:00 | | | | RE 8:50 | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | T | T | .01 | T | T | | | |
| Cloudiness and other conditions | | | | | | | ← Cloudy | | | | | | | | | | Cloudy | | | | | | | |
| | Sunrise: Time, 6:15 Character, Cloudy. Moonrise: 12:09 p | | | | | | | | | | | | | | | | | | | | Sunset: Time, 4:35 Character, Cloudy. Moonset: 1:57 p Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | S | SE | SE | SE | E | E | E | E | E | SE | E | E | E | SE | E | E | SE | E | E | E | E | E | E | E |
| Wind movement | 3 | 2 | 2 | 3 | 5 | 7 | 5 | 6 | 4 | 4 | 3 | 4 | 3 | 4 | 6 | 4 | 5 | 5 | 7 | 6 | 4 | 6 | 6 | 7 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

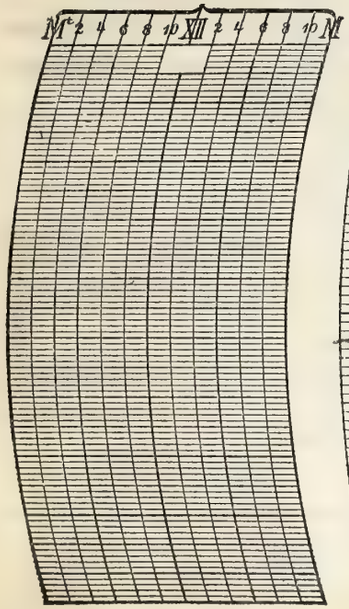
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 53 | 33 | 43 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0 Possible sunshine, hours, 10.3
Per cent of possible sunshine, 0
Prevailing wind direction, E Total wind 1150
Average hourly velocity, 4.6 Extreme velocity, 9
Maximum velocity, 9 Direction, E
Time began, 6:10 p.m.
Reduced barometer, 30.22 7 a. m. 30.12 7 p. m.
River gage, 2.0 Feet.
Relative humidity, 80 7 a. m. 83 7 p. m.

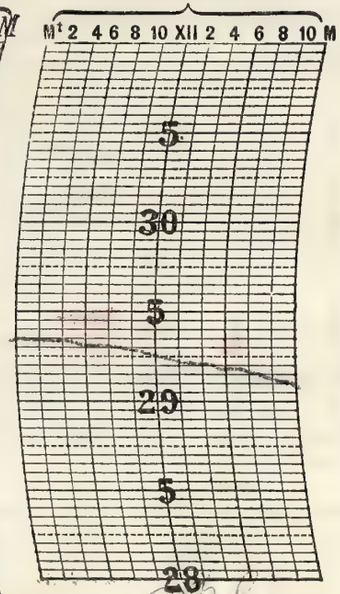
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 51.0 Wet temperature, 45.3
Dew-point, 40 R. humidity, 65 V. pressure, .247
Clouds: Amount, 9; Kind, ASt; Direction, NW
Velocity of clouds (miles per hour)

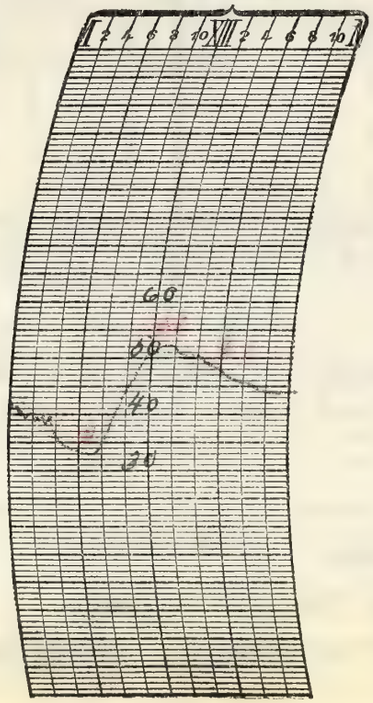
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by

Verified by F. McDonough

8—486

## NOTES.

A cloudy day with steady rising temperature and a light fall of rain in the early evening.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) NOV - 4 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 44 | 44 | 43 | 43 | 43 | 44 | 44 | 45 | 45 | 45 | 45 | 46 | 47 | 47 | 47 | 46 | 46 | 45 | 45 RE 6:30 RB 6:57 | 44 RE 7:30 | 44 | 44 | 43 RB 10:20 | 43 |
| State of weather. Nature of precipitation and time of beginning and ending | | | RB DNR | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | .01 | .07 | .09 | .03 | .07 | .04 | .04 | .04 | .07 | .02 | .02 | .01 | .01 | T | T | .01 | T | T | | | T | .01 |
| Cloudiness and other conditions | | | | | | | ← Cloudy | | | | | | | | Cloudy | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | E | E | E | E | E | E | E | E | E | E | E | E | E | NE | N | N | N | N | N | N | N | N | N | N |
| Wind movement | 6 | 6 | 8 | 9 | 8 | 7 | 9 | 8 | 8 | 7 | 7 | 6 | 6 | 4 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 7 |
| Maximum velocities (exceeding 29 miles) direction and time. | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:16 Character, Cloudy
Moonrise: 11:15a

Sunset: Time, 4:34 Character, Cloudy
Moonset: 2:26p Cloudy

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

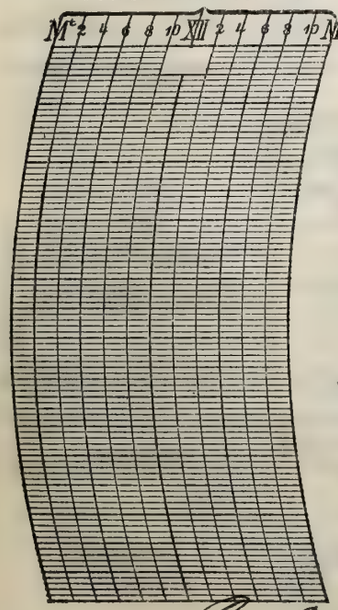
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 47 | 43 | 45 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .34 ins.; to 7 p. m., .33 ins.
Total precipitation, midnight to midnight, .68 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 10.3
Per cent of possible sunshine, 0
Prevailing wind direction, E Total wind 179
Average hourly velocity, 7.5 Extreme velocity, 11
Maximum velocity, 11 Direction, N
Time began, 2:07p.m.
Reduced barometer, 29.83 7 a. m. 29.94 7 p. m.
River gage, 2.2 Feet.
Relative humidity, 93 7 a. m. 93 7 p. m.

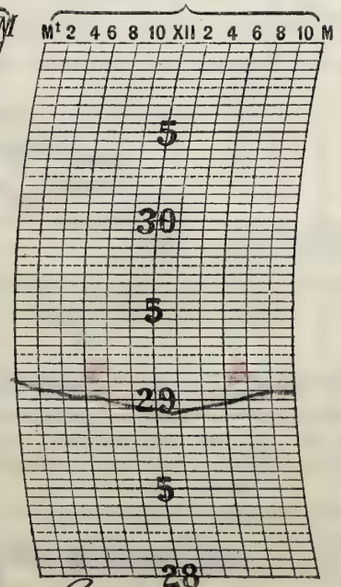
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 45.5 Wet temperature, 45.0
Dew-point, 44 R. humidity, 96 V. pressure, .287
Clouds: Amount, 10; Kind, NB; Direction, E
Velocity of clouds (miles per hour)

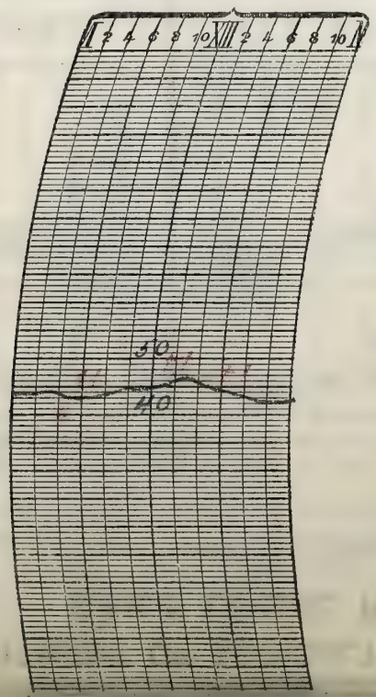
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by C. O. S.
Verified by P. McDonough

NOTES.

Cloudy, rainy and
rather disagreeable day

Form No. 1014—Met'l.

FORM No. 1014-Rev 1.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) NOV -5 1923, 192

Time (local standard) 90° mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 43 | 43 | 42 | 42 | 43 RE ONS | 43 | 43 | 44 | 44 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 44 | 44 | 43 | 43 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | .01 | .03 | T | .01 | T | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← Cloudy | | | | | | | | | | Cloudy → | | | | | | | |
| Sunrise: Time, Character, 6:12 Cloudy. Moonrise: 2:24a | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:32 Cloudy. Moonset: 3:02p Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | NE | N | N | N |
| Wind movement | 7 | 10 | 11 | 11 | 10 | 10 | 11 | 11 | 11 | 9 | 10 | 9 | 9 | 8 | 9 | 7 | 6 | 8 | 7 | 7 | 6 | 5 | 7 | 5 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

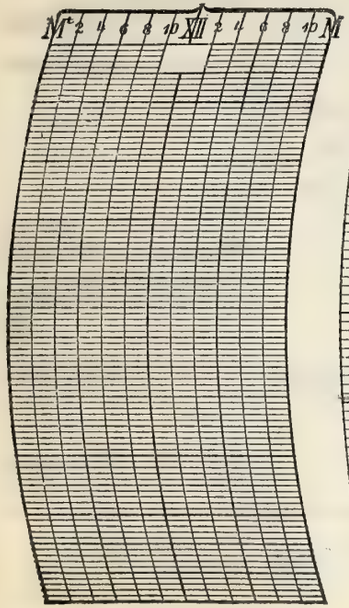
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 45 | 42 | 44 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .06 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .05 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 10.2
Per cent of possible sunshine, 0
Prevailing wind direction, N Total wind 204
Average hourly velocity, 8.5 Extreme velocity, 14
Maximum velocity, 13 Direction, N
Time began, 3:53 a.m.
Reduced barometer, 30.02 7 a. m. 30.08 7, p. m.
River gage, 3.4 Feet
Relative humidity, 87 7 a. m. 80 7 p. m.

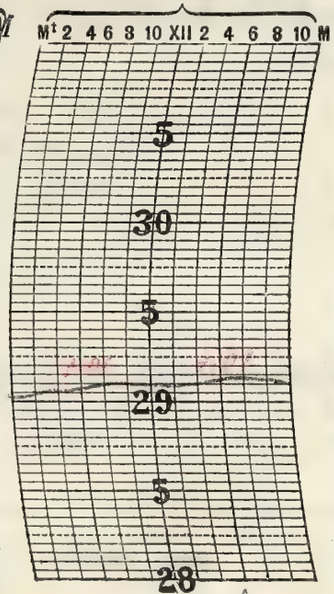
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 45.0 Wet temperature, 43.0
Dew-point, 41 R. humidity, 86 V. pressure, 256
Clouds: Amount, 10; Kind, St; Direction, N
Velocity of clouds (miles per hour)

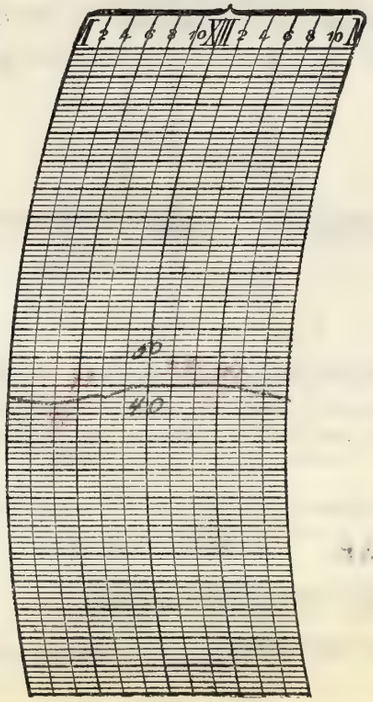
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by EHS

Verified by C. McDonough

8—486

## NOTES.

A cloudy day with moderately cool weather.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) NOV -6 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 42 | 41 | 41 | 41 | 40 | 40 | 42 | 40 | 40 | 41 | 42 | 44 | 45 | 48 | 49 | 48 | 47 | 45 | 44 | 42 | 41 | 42 | 42 | 45 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← | | Cloudy | | | | max | | | Clear | | | | | | | | → |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0.8 | 0 | 0 | | | | | | | |
| Wind direction | N | N | N | N | N | N | N | N | N | N | NW | NW | NW | NW | NW | NW | NW | W | W | SW | SW | SW | SW | SW |
| Wind movement | 6 | 6 | 6 | 5 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 7 | 9 | 9 | 10 | 9 | 6 | 7 | 6 | 11 | 10 | 9 | 9 | 10 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:18 Character, Cloudy
Moonrise: 3:36a

Sunset: Time, 4:38 Character, Cloudy
Moonset: 3:39p Cloudy

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

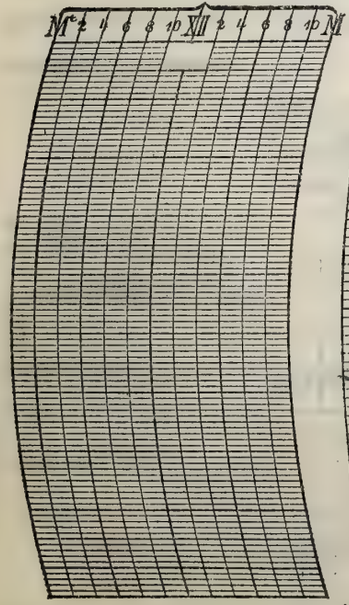
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 49 | 40 | 44 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 1.8 Possible sunshine, hours, 10.3
Per cent of possible sunshine, 17
Prevailing wind direction, N. Total wind, 180
Average hourly velocity, 7.5 Extreme velocity, 14
Maximum velocity, 13 Direction, S.W.
Time began, 7:55 p.m.
Reduced barometer, 30.03 7 a. m. 29.84 7 p. m.
River gage, 3.5 Feet.
Relative humidity, 92 7 a. m. 64 7 p. m.

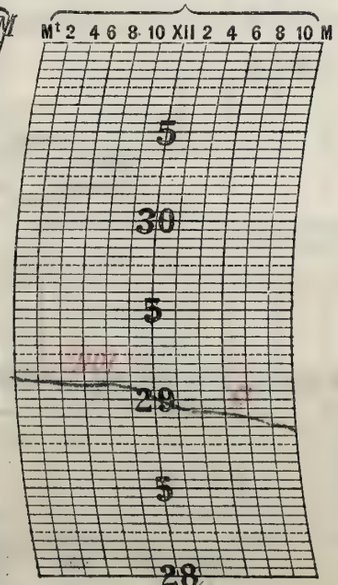
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 42.0 Wet temperature, 38.5
Dew-point, 34 R. humidity, 73 V. pressure, 195
Clouds: Amount, 10; Kind, St.Cu.; Direction, NW
Velocity of clouds (miles per hour)

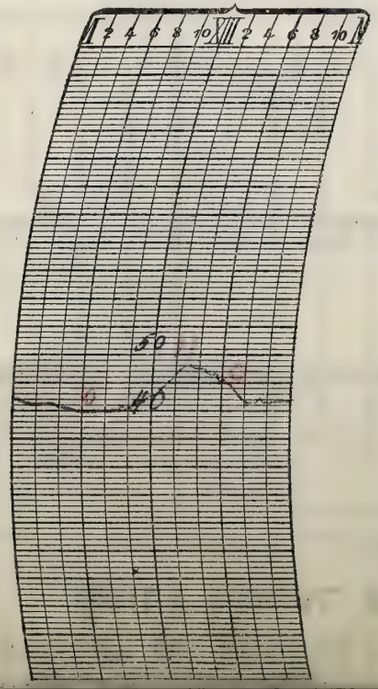
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by
Verified by P. McDonough

NOTES.

A partly cloudy and cool day with little variation in temperature

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) NOV -7 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 42 | 42 | 41 | 41 | 40 | 39 | 39 | 40 | 42 | 44 | 45 | 44 | 42 | 43 | 43 | 42 | 40 | 39 | 38 | 38 | 37 | 35 | 35 | 34 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | RAIN | | | | | | RB 10:30 RE 10:50 | | | | | SNSL 3:10 to 3:16 | | | | | | | | |
| Amounts of precipitation | | | | | T | | | | | | T | | | | | T | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Clear | | | | Cloudy | | | | | Cloudy | | | | | | | | |
| Sunrise: Time, Character, 6:19 Clear. Moonrise: 4:50a | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:30 Cloudy. Moonset: 4:18p Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | | .6 | .7 | | | | | | | | | | | | | | | | |
| | | | | | | | 0 | 0.2 | 0 | 1.0 | 0.5 | 0.2 | 0.1 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | SW | W | W | NW | NW | NW | NW | NW | NW | NW | NW | NE | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | N | N |
| Wind movement | 8 | 8 | 8 | 9 | 9 | 9 | 10 | 12 | 13 | 18 | 20 | 17 | 15 | 15 | 13 | 13 | 12 | 11 | 13 | 11 | 14 | 15 | 14 | 11 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

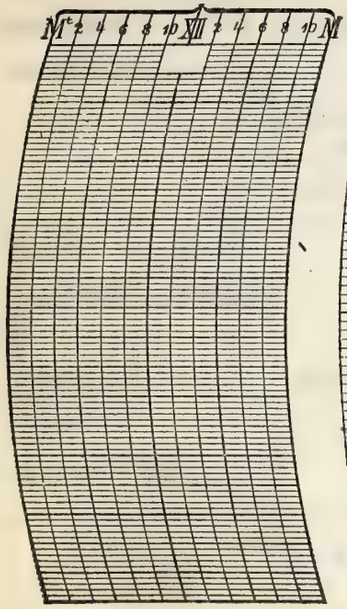
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 46 | 34 | 40 | |

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 3.4 Possible sunshine, hours, 10.2
Per cent of possible sunshine, 33
Prevailing wind direction, NW. Total wind 228
Average hourly velocity, 12.4 Extreme velocity, 29
Maximum velocity, 36 Direction, NW
Time began, 9:43 a.m.
Reduced barometer, 29.28 7 a. m. 30.00 7 p. m.
River gage, 3.1 Feet.
Relative humidity, 88 7 a. m. 77 7 p. m.

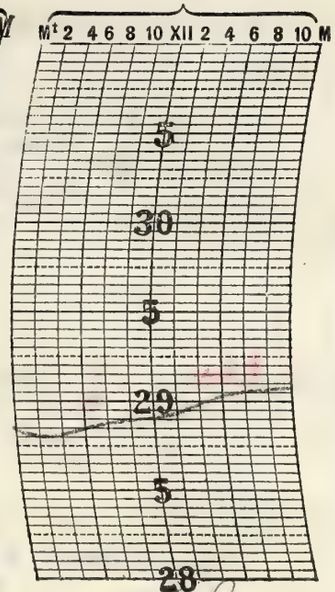
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 43.3 Wet temperature, 40.0
Dew-point, 36 R. humidity, 76 V. pressure, 211
Clouds: Amount, 8; Kind, St Cu; Direction, NW
Velocity of clouds (miles per hour)

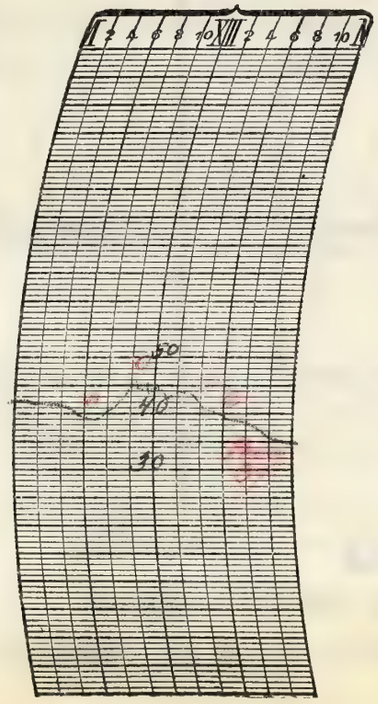
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by

Verified by C. M. McKamey

8—486

## NOTES.

The first snow of the season fell this afternoon. The day as a whole was pretty cloudy and cool. After dark the rain became rather raw and the cold was penetrating.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) NOV -8 1923, 192

Time (local standard) 90° mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 33 | 32 | 31 | 30 | 30 | 30 | 30 | 31 | 31 | 31 | 32 | 33 | 34 | 35 | 35 | 35 | 34 | 33 | 33 | 33 | 35 | 35 | 35 | 34 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← | | Cloudy | | | | | | | Cloudy | | | | | | | | → |
| Sunrise: Time, Character, 6:12 Cloudy. Moonrise: 6:05a Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:29 Cloudy. Moonset: 5:00p Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | SW | SW | SW |
| Wind movement | 13 | 11 | 10 | 10 | 10 | 11 | 10 | 11 | 10 | 12 | 13 | 11 | 13 | 12 | 9 | 8 | 6 | 5 | 3 | 3 | 3 | 4 | 4 | 5 |
| Maximum velocities (exceeding 20 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

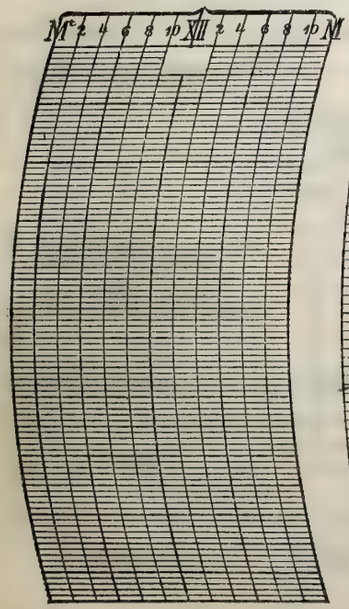
Excessive precipitation, accumulated amounts

| | Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|---|
| | 35 | 30 | 32 | |

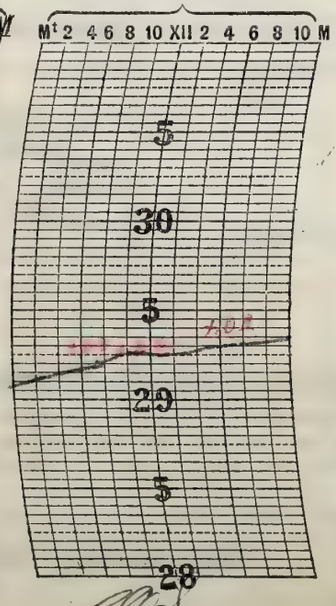
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase New 9:27a
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0 Possible sunshine, hours,
Per cent of possible sunshine, 0
Prevailing wind direction, N. Total wind 207
Average hourly velocity, 8.6 Extreme velocity, 18
Maximum velocity, 17 Direction, N
Time began, 1:07 p.m.
Reduced barometer, 30.14 7 a. m. 30.28 7 p. m.
River gage, 2.2 Feet.
Relative humidity, 80 7 a. m. 61 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 33.2 Wet temperature, 28.7
Dew-point, 21 R. humidity, 56 V. pressure, 108
Clouds: Amount, 9; Kind, St Cu; Direction, NW
Velocity of clouds (miles per hour)

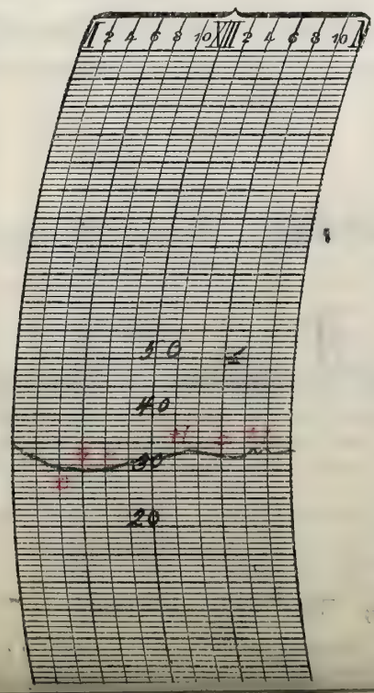
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by

Verified by P. McDonough

NOTES.

A cloudy and cold rain day.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) NOV - 9 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 32 | 31 | 30 | 29 | 27 | 27 | 28 | 30 | 35 | 38 | 41 | 43 | 45 | 47 | 46 | 45 | 43 | 41 | 40 | 39 | 38 | 37 | 36 | 35 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← | | Clear | | | | | | | Clear | | | | | | | | → |
| Sunrise: Time, Character, 6:22 Clear | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:28 Clear | | | |
| Moonrise: 7:18a Clear | | | | | | | | | | | | | | | | | | | | | Moonset: 5:48p Clear | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0 | 0 | | | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | W | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW |
| Wind movement | 4 | 5 | 3 | 4 | 6 | 6 | 7 | 9 | 10 | 14 | 13 | 14 | 14 | 13 | 13 | 12 | 9 | 11 | 11 | 12 | 10 | 11 | 11 | 11 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

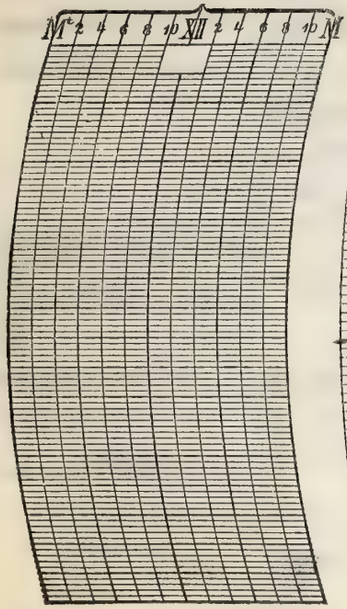
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 47 | 27 | 37 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), Fair
Actual sunshine, hours, 10.1 Possible sunshine, hours, 10.1
Per cent of possible sunshine, 100
Prevailing wind direction, SW Total wind 233
Average hourly velocity, 9.7 Extreme velocity, 19
Maximum velocity, 18 Direction, SW
Time began, 1:14 p.m.
Reduced barometer, 30.37 7 a. m. 30.29 7 p. m.
River gage, 2.5 Feet
Relative humidity, 86 7 a. m. 67 7 p. m.

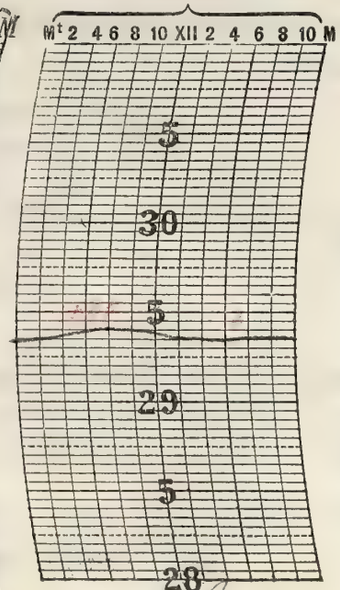
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 42.6 Wet temperature, 36.8
Dew-point, 29 R. humidity, 57 V. pressure, .157
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

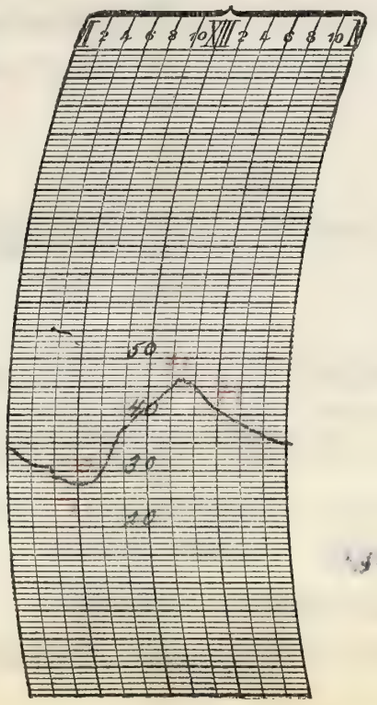
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clear and cool day with slowly rising temperature.

Prepared by C. M. C.
Verified by C. M. Donough

8—486

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) NOV 10 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 35 | 34 | 34 | 34 | 34 | 34 | 35 | 38 | 44 | 49 | 53 | 56 | 59 | 60 | 61 | 59 | 56 | 53 | 52 | 53 | 52 | 51 | 51 | 50 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← Clear | | | | | | Clear → | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | .6 | 2.0 | 0.7 | | | | 0.8 | 0.9 | 0.6 | 0.3 | 0 | | | | | | | |
| | | | | | | | 0 | 0 | 0.3 | 1.0 | 1.0 | 1.0 | | | | 0.7 | 4.5 | | | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | W |
| Wind movement | 12 | 12 | 12 | 12 | 12 | 13 | 13 | 14 | 14 | 17 | 16 | 16 | 17 | 18 | 18 | 17 | 15 | 12 | 14 | 15 | 12 | 11 | 9 | 6 |
| Maximum velocities (exceeding 22 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:23 Character, Clear
Moonrise: 8:29a Clear
Sunset: Time, 4:29 Character, Clear
Moonset: 6:44p Clear

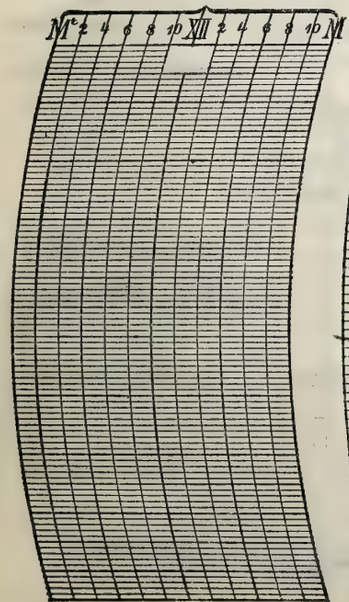
| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 61 | 34 | 48 | |

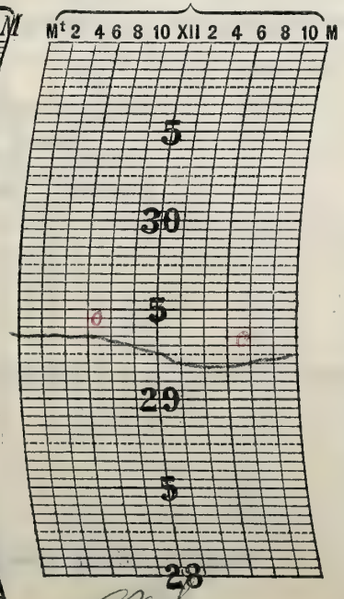
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0–10), 1
Actual sunshine, hours, 9.4 Possible sunshine, hours, 10.1
Per cent of possible sunshine, 93
Prevailing wind direction, SW. Total wind 327
Average hourly velocity, 13.6 Extreme velocity, 25
Maximum velocity, 25 Direction, SW
Time began, 1:55 p. m.
Reduced barometer, 30.29 7 a. m. 30.13 7 p. m.
River gage, 2.3 Feet
Relative humidity, 62 7 a. m. 63 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 55.8 Wet temperature, 47.7
Dew-point, 40 R. humidity, 55 V. pressure, .247
Clouds: Amount, 1; Kind, Ast.; Direction, NW.
Velocity of clouds (miles per hour)

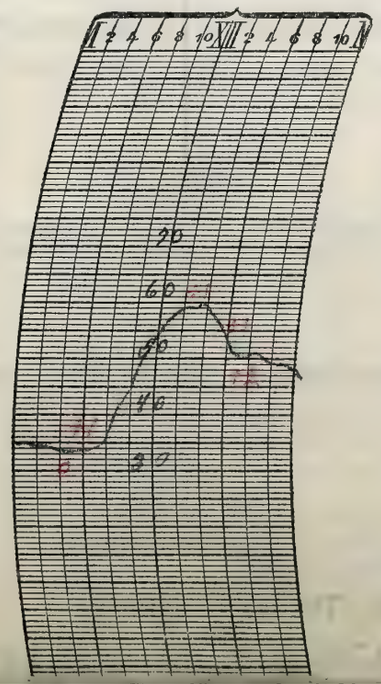
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




NOTES.

A clear day with moderate temperature.

Prepared by

Verified by P. McDonough

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) NOV 11 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 47 | 46 | 46 | 45 | 43 | 41 | 40 | 41 | 46 | 49 | 52 | 55 | 56 | 56 | 55 | 54 | 52 | 49 | 48 | 46 | 44 | 42 | 39 | 38 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← Clear | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | .60 0 | .07 0.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | .09 0.1 | .43 0 | | | | | | | |
| Wind direction | SW | W | W | W | NW | NE | NE | NE | NE | NE | NE | N | N | N | NE | NE | NE | NE | NE | NE | NE | NE | E | E |
| Wind movement | 6 | 5 | 4 | 3 | 4 | 7 | 9 | 8 | 2 | 6 | 6 | 6 | 6 | 7 | 8 | 7 | 5 | 5 | 6 | 8 | 5 | 6 | 8 | 5 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:24 Character, Clear
Moonrise: 9:34a Clear
Sunset: Time, 4:26 Character, Clear
Moonset: 7:38p Clear

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

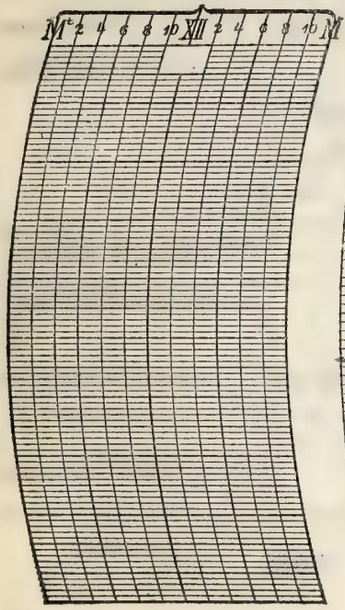
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 57 | 38 | 48 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), Fair
Actual sunshine, hours, 9.8 Possible sunshine, hours, 10.0
Per cent of possible sunshine, 98
Prevailing wind direction, NE. Total wind 147
Average hourly velocity, 6.1 Extreme velocity, 12
Maximum velocity, 12 Direction, NE
Time began, 2:35p m
Reduced barometer, 30.27 7a. m. 30.34 7p. m.
River gage, 2.2 Feet
Relative humidity, 84 7a. m. 64 7p. m.

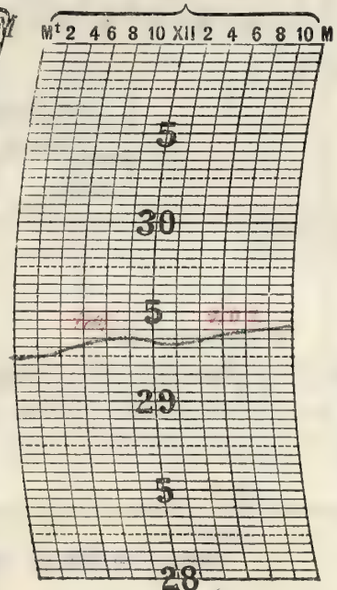
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 54.8 Wet temperature, 42.8
Dew-point, 28 R. humidity, 34 V. pressure, 1.50
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

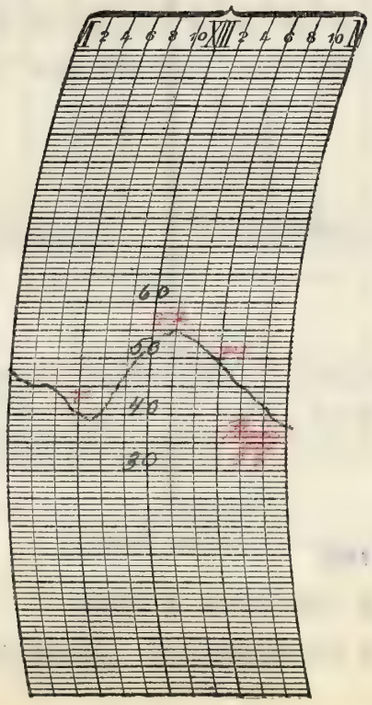
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




NOTES.

A clear and mild day
Very pleasant out doors.

Prepared by C D

Verified by C M Dawson

8—486

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) NOV 12 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 34 | 36 | 35 | 34 | 34 | 32 | 31 | 31 | 35 | 40 | 42 | 42 | 49 | 51 | 51 | 50 | 48 | 45 | 43 | 41 | 40 | 39 | 37 | 36 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Foggy | | × | Clear | | | | | Clear | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .42 | | | | | | | |
| Wind direction | E | E | E | E | E | E | E | E | E | E | SE | SE | E | E | E | E | E | E | E | E | E | E | E | E |
| Wind movement | 5 | 4 | 6 | 5 | 6 | 6 | 6 | 8 | 5 | 5 | 8 | 6 | 5 | 6 | 8 | 6 | 6 | 7 | 10 | 8 | 7 | 7 | 9 | 6 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time 6:25 Character Foggy
Moonrise: 10:31a Clear
Sunset: Time 4:25 Character Clear
Moonset: 8:39p Clear

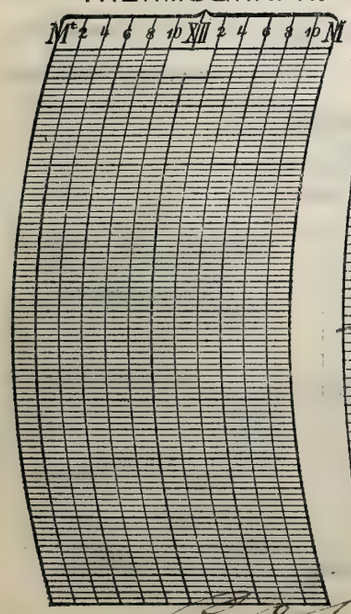
| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 51 | 31 | 41 | |

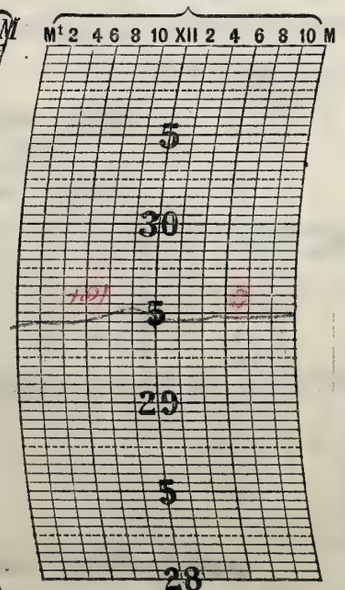
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0–10), 2
Actual sunshine, hours, 9.3 Possible sunshine, hours, 10.0
Per cent of possible sunshine, 93
Prevailing wind direction, E Total wind, 154
Average hourly velocity, 6.4 Extreme velocity, 14
Maximum velocity, 13 Direction, E
Time began, 6:12 p.m.
Reduced barometer, 30.42 7 a. m. 30.43 7 p. m.
River gage, 2.2 Feet
Relative humidity, 100 7 a. m. 75 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 45.4 Wet temperature, 40.4
Dew-point, 34 R. humidity, 65 V. pressure, .195
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

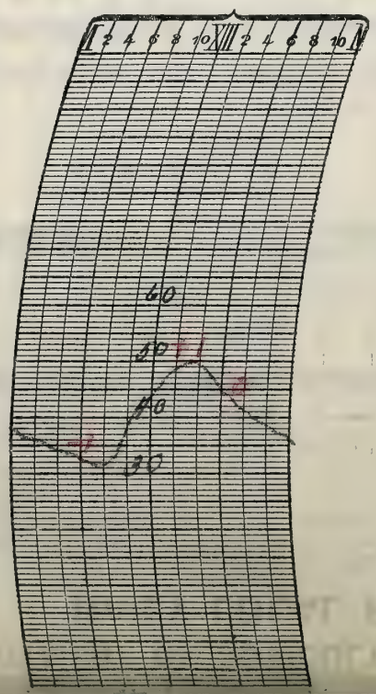
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by C. O. S.
Verified by [illegible]

NOTES.

Dense fog began 6:25 a.m.,
Dense fog Ended 8:30 a.m.
Light fog began 8:30 a.m.,
Light fog ended 9:58 a.m.
A clear day with moderate temperatures

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) NOV 13 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 34 | 33 | 33 | 34 | 34 | 35 | 35 | 35 | 36 | 37 | 41 | 44 | 50 | 54 | 55 | 53 | 52 | 48 | 46 | 42 | 40 | 39 | 38 | 38 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Foggy | | | | Cloudy | | Pt. Cloudy | | | | | | Clear | | | | | |
| Sunrise: Time, Character, 6:26 Foggy. Moonrise: 11:21a Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:23 Clear. Moonset: 9:42p Clear | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0.7 | 1.0 | 1.0 | 1.0 | 0.5 | 0 | | | | | | | |
| Wind direction | E | E | E | E | E | E | E | E | NE | E | E | E | E | E | E | SE | E | E | E | E | E | E | E | E |
| Wind movement | 7 | 5 | 6 | 6 | 8 | 7 | 8 | 9 | 7 | 8 | 7 | 7 | 6 | 6 | 6 | 4 | 4 | 5 | 11 | 8 | 9 | 10 | 9 | 8 |
| Maximum velocities (exceeding 22 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

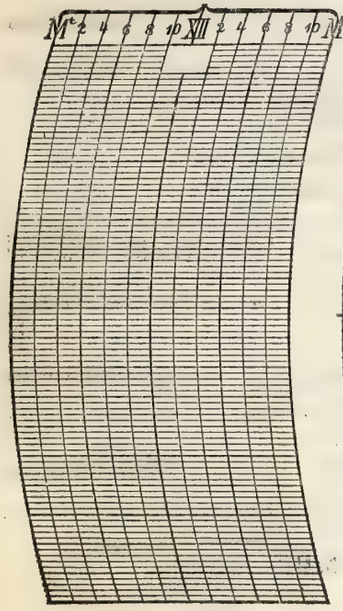
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 55 | 33 | 44 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0–10), 7
Actual sunshine, hours, 5.0 Possible sunshine, hours, 10.0
Per cent of possible sunshine, 50
Prevailing wind direction, E. Total wind 171
Average hourly velocity, 7.1 Extreme velocity, 12
Maximum velocity, 12 Direction, E
Time began, 11:34 p.m.
Reduced barometer, 30.64 7 a. m. 30.33 7 p. m.
River gage, 2.1 Fall
Relative humidity, 95 7 a. m. 83 7 p. m.

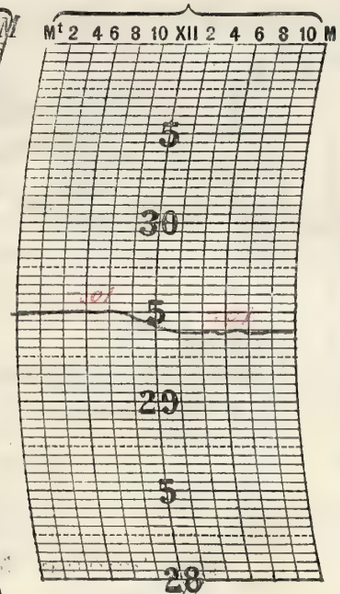
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 42.2 Wet temperature, 41.0
Dew-point, 40 R. humidity, 90 V. pressure, .247
Clouds: Amount, 6; Kind, St Cu; Direction, E
Velocity of clouds (miles per hour)

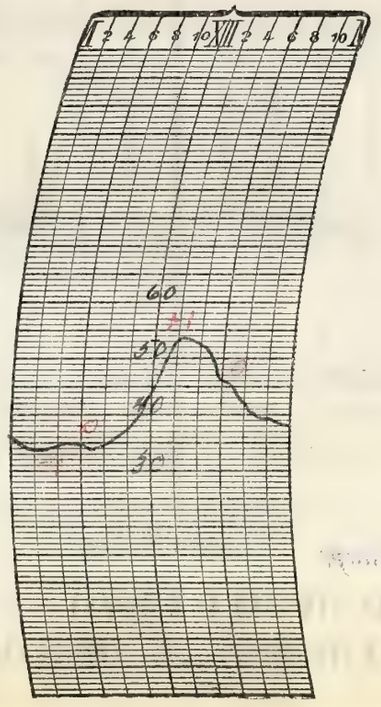
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by
Verified by C. McDonough

8—486

## NOTES.

Dense fog began – 2.10 a.m.
Dense fog ended – 10:19 a.m.
Light fog began – 10:19 a.m.
Light fog ended – 11:25 a.m.
Partly Cloudy day with moderate temperature
Light fog began – 9:15 p.m.
Light fog ended – 10:00 p.m.
Dense fog began – 10:00 p.m.
Dense fog ended – continued until 8:14 a.m.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) NOV 14 1923, 192

Time (local standard). 90 mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 38 | 37 | 37 | 37 | 37 | 36 | 36 | 36 | 36 | 37 | 38 | 42 | 47 | 49 | 49 | 49 | 49 | 49 | 48 | 42 | 48 | 47 | 45 | 44 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | < Foggy | | | | | | — Cloudy | | | | | | | | | | | → |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0.2 | 1.0 | 0.2 | 0 | 0 | 0 | | | | | | | |
| Wind direction | E | E | E | E | E | SE | SE | E | E | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE |
| Wind movement | 7 | 7 | 5 | 5 | 5 | 5 | 6 | 7 | 5 | 6 | 3 | 2 | 3 | 3 | 2 | 3 | 2 | 3 | 1 | 3 | 4 | 2 | 3 | 3 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:28 Character, Foggy
Moonrise: 12:04p Cloudy

Sunset: Time, 4:24 Character, Cloudy
Moonset: 10:44p Cloudy

| Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

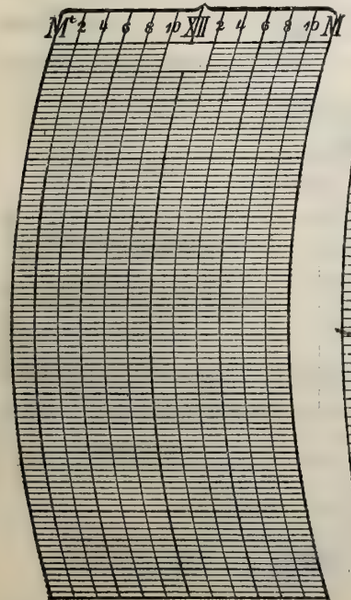
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 49 | 35 | 42 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 1.4 Possible sunshine, hours, 9.9
Per cent of possible sunshine, 14
Prevailing wind direction, SE. Total wind 95
Average hourly velocity, 4.0 Extreme velocity, 11
Maximum velocity, 11 Direction, E
Time began, 12:55 a.m.
Reduced barometer, 30.31 7 a. m. 30.15 7 p. m.
River gage, 2.0 Feet.
Relative humidity, 100 7 a. m. 83 7 p. m.

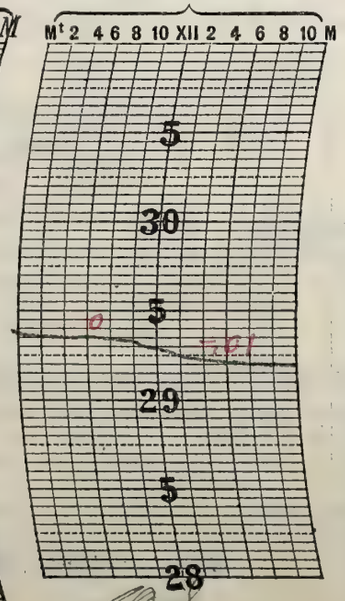
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 40.0 Wet temperature, 39.0
Dew-point, 38 R. humidity, 92 Cu V. pressure, .228
Clouds: Amount, 4; Kind, Nimb; Direction, SE
Velocity of clouds (miles per hour)

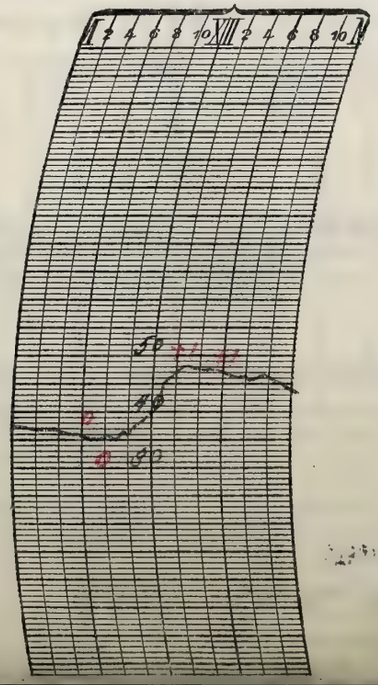
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by
Verified by P. M. Donough

## NOTES.

At 12 m. observation time was 0.01 precipitation in the gage from fog.
Dense fog began - continued from 13th
Dense fog ended - 11:01 am.
Light fog began - 11:01 am.
Light fog ended - 2:20 pm.
A cloudy and foggy day with moderate temperature.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) NOV 15 1923, 192

Time (local standard) 90 mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 44 | 45 | 45 | 45 RD DWN | 45 | 44 | 45 | 45 | 45 | 45 | 46 | 46 | 48 | 49 | 50 RE 2:30 | 50 | 50 | 50 | 49 | 49 RE 7:12 | 48 | 47 RE 9:45 | 46 | 46 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | .02 | .02 | .02 | .03 | .07 | .02 | T | .01 | .01 | T | T | T | | | | | .08 | .17 | .07 | | |
| Cloudiness and other conditions | | | | | | | ← Cloudy | | | | | | | | | Cloudy | | | | | | | | |
| Sunrise: Time, Character, 6:29 Cloudy. Moonrise: 12:44 P Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, Character, 4:23 Cloudy. Moonset: 11:45 P | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | SE | SE | SE | SE | SE | S | S | S | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | S | SW | SW | SW | SW |
| Wind movement | 3 | 1 | 2 | 1 | 3 | 3 | 3 | 3 | 4 | 6 | 9 | 9 | 8 | 6 | 5 | 4 | 4 | 2 | 1 | 4 | 6 | 5 | 5 | 5 |
| Maximum velocities (exceeding 25 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

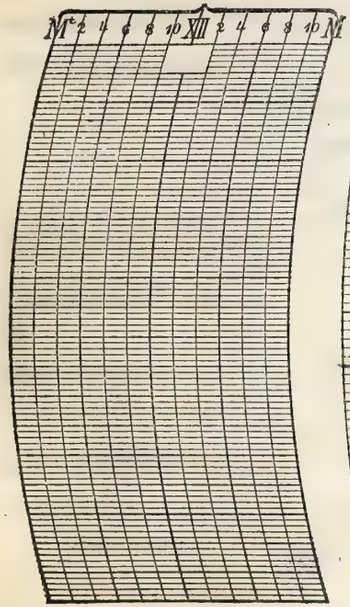
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 50 | 44 | 47 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .08 ins.; to 7 p. m., .12 ins.
Total precipitation, midnight to midnight, .52 inches.
Character of day, Cloudy Moon phase, F.Q.-3:41 a.
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.9
Per cent of possible sunshine, 0
Prevailing wind direction, SW. Total wind 102
Average hourly velocity, 4.2 Extreme velocity, 10
Maximum velocity, 10 Direction, SW
Time began, 11:06 a.m.
Reduced barometer, 30.07 7 a. m. 29.99 7 p. m.
River gage, 2.0 Feet
Relative humidity, 86 7 a. m. 96 7 p. m.

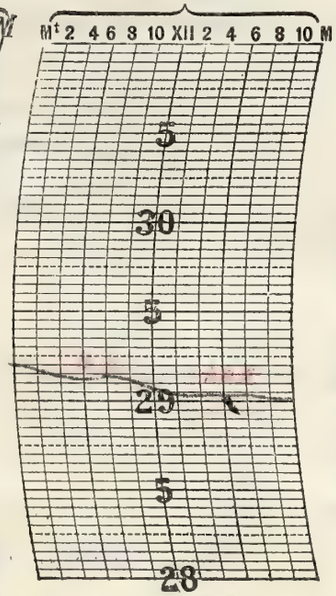
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 46.1 Wet temperature, 45.8
Dew-point, 46 R. humidity, 98 V. pressure, .310
Clouds: Amount, 10; Kind, Nb; Direction, SW.
Velocity of clouds (miles per hour)

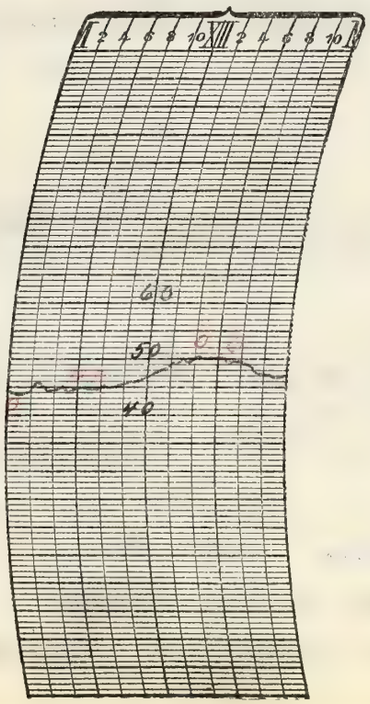
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by Edited

Verified by J. M. C. Donoughe

8—486

## NOTES.

A cloudy day with light rain falling during most of the day-light hours and moderate temperature prevailing.

Light fog began at 6:10 p.m. and ended 7:40 p.m.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) NOV 16 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 46 | 46 | 46 | 45 | 45 | 43 | 42 | 43 | 43 | 43 | 43 | 42 | 42 | 41 | 41 | 40 | 40 | 38 | 37 | 36 | 35 | 35 | 33 | 32 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | RAE DNA | | | | | RB 8:46 | RE 9:21 | | RB 11:38 | | RE 2:00 | | | | RB 6:32 | | | RE 8:04 | | | |
| Amounts of precipitation | | | | .04 | | | | | T | .01 | | T | T | T | | | | T | T | T | T | | | |
| Cloudiness and other conditions | | | | | | | ← Cloudy | | | | | | 7 | | | Cloudy | | | | | 7 | | | |
| Sunrise: Time, 6:30 Character, Cloudy. Moonrise: 1:15 p Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 4:22 Character, Cloudy. Moonset: — — | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0.2 | 0.5 | 0.2 | 0.3 | 0.1 | 0.2 | 0 | | | | | | | |
| Wind direction | SW | SW | SW | W | W | NW | NW | NW | W | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW |
| Wind movement | 4 | 5 | 5 | 9 | 7 | 13 | 11 | 8 | 9 | 13 | 18 | 19 | 16 | 16 | 15 | 15 | 14 | 18 | 18 | 19 | 14 | 14 | 13 | 11 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

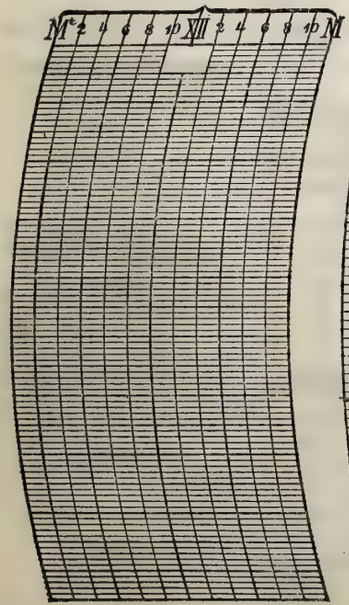
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 46 | 32 | 39 | — |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m. .16 ins.; to 7 p. m. .01 ins.
Total precipitation, midnight to midnight, .25 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 1.5 Possible sunshine, hours, 9.9
Per cent of possible sunshine, 15
Prevailing wind direction, NW Total wind 306
Average hourly velocity, 12.8 Extreme velocity, 30
Maximum velocity, 26 Direction, NW
Time began, 2.06 p.m.
Reduced barometer, 29.93 7 a. m. 29.99 7 p. m.
River gage, 2.1 Feet
Relative humidity, 96 7 a. m. 95 7 p. m.

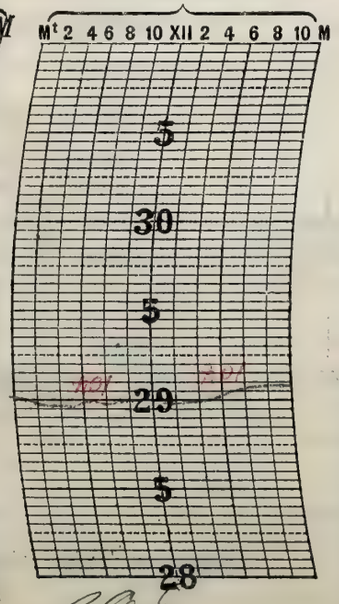
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 41.8 Wet temperature, 40.9
Dew-point, 40 R. humidity, 93 V. pressure, 247
Clouds: Amount, 10; Kind, Nb; Direction, NW
Velocity of clouds (miles per hour)

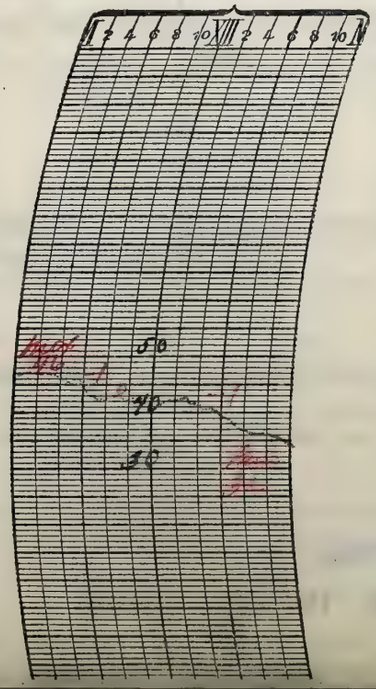
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by CAS

Verified by F. W. Donnah

NOTES.

A cloudy day with occasional light showers and moderate temperature

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) NOV 17 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 33 | 31 | 31 | 31 | 33 | 34 | 35 | 35 | 37 | 37 | 37 | 40 | 43 | 44 | 43 | 43 | 41 | 40 | 40 | 39 | 39 | 39 | 39 | 39 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← Cloudy | | | | × | Pt Cloudy | Cloudy | | Cloudy | | × | Pt Cloudy | | | | | | → |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0.3 | 1.0 | 1.0 | 1.0 | 0.1 | 0 | 0 | | | | | | | |
| Wind direction | NW | NW | NW | NW | NW | NW | W | W | W | W | W | W | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW |
| Wind movement | 8 | 9 | 8 | 7 | 7 | 7 | 7 | 7 | 8 | 15 | 13 | 14 | 12 | 16 | 16 | 16 | 12 | 14 | 20 | 19 | 20 | 18 | 17 | 19 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:13 Character, Cloudy
Moonrise: 1:46p Cloudy
Sunset: Time, 4:21 Character, Cloudy
Moonset: 12:45a

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

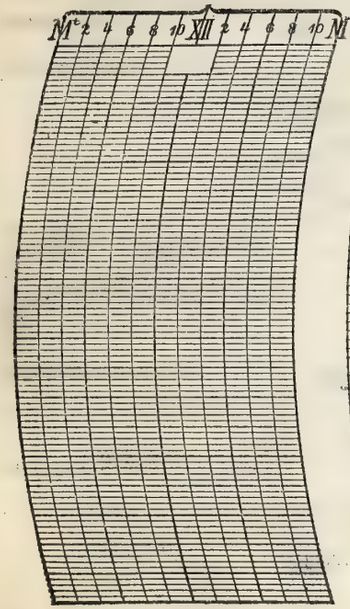
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 44 | 31 | 38 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 3.4 Possible sunshine, hours, 9.8
Per cent of possible sunshine, 35
Prevailing wind direction, SW Total wind 300
Average hourly velocity, 12.8 Extreme velocity, 23
Maximum velocity, 23 Direction, SW
Time began, 6:45 p.m.
Reduced barometer, 29.09 7 a. m. 29.86 7 p. m.
River gage, 2.0 Feet
Relative humidity, 81 7 a. m. 73 7 p. m.

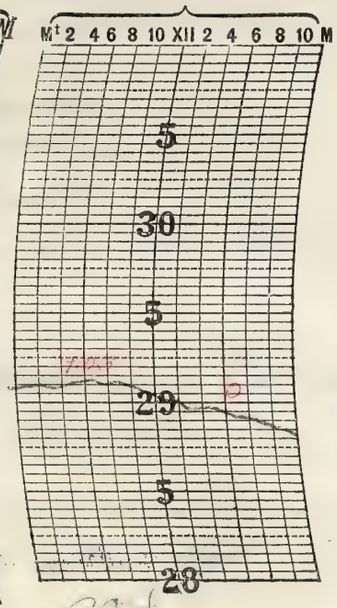
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 40.0 Wet temperature, 36.2
Dew-point, 31 R. humidity 70 V. pressure, 172
Clouds: Amount, 6; Kind, ACu; Direction, NW.
Velocity of clouds (miles per hour)

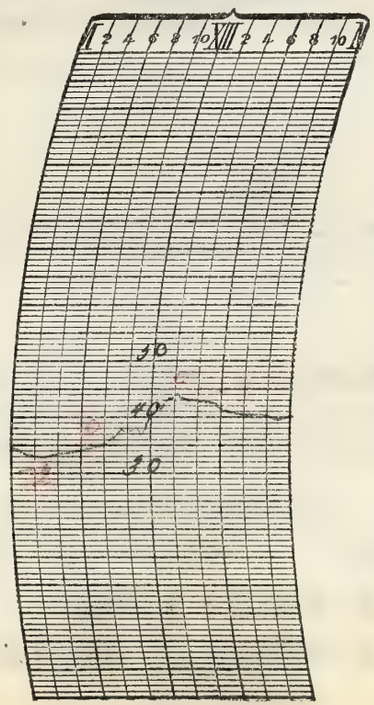
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



NOTES.

A cloudy day with moderately low temperatures

Prepared by

Verified by C. McDonough

8—486

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) NOV 18 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 39 | 40 | 40 | 40 | 39 | 39 | 38 | 38 | 40 | 43 | 46 | 49 | 50 | 51 | 50 | 49 | 47 | 45 | 44 | 42 | 41 | 39 | 37 | 35 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Clear | | Pt Cloudy | | | | Clear | | | | | | Pt Cloudy | | Cloudy | | | |
| Sunrise: Time, Character, 6:32 Cloudy. Moonrise: 2:15p Clear | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:20 Cloudy. Moonset: 1:44a | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.1 | 0 | | | | | | | |
| Wind direction | SW | SW | SW | SW | W | W | SW | W | W | W | W | NW | NW | N | N | N | NE | N | N | N | NE | NE | N | N |
| Wind movement | 17 | 16 | 12 | 10 | 9 | 8 | 8 | 8 | 6 | 8 | 8 | 8 | 10 | 9 | 9 | 6 | 8 | 8 | 7 | 7 | 5 | 3 | 5 | 4 |
| Maximum velocities (exceeding 19 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

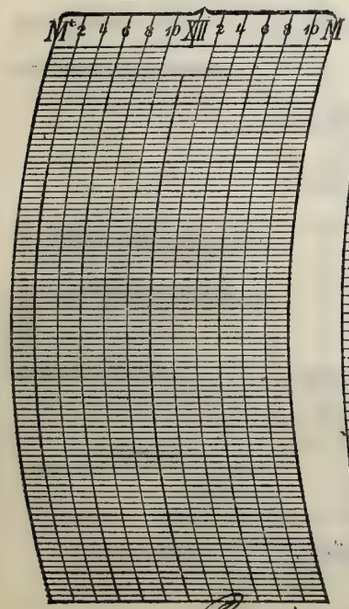
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 52 | 35 | 44 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 6.2 Possible sunshine, hours, 9.8
Per cent of possible sunshine, 63
Prevailing wind direction, N Total wind, 199
Average hourly velocity, 8.3 Extreme velocity, 22
Maximum velocity, 20 Direction, SW
Time began, 12:02 a.m.
Reduced barometer, 29.26 7 a. m. 29.90 7 p. m.
River gage, 2.1 ft
Relative humidity, 85 7 a. m. 66 7 p. m.

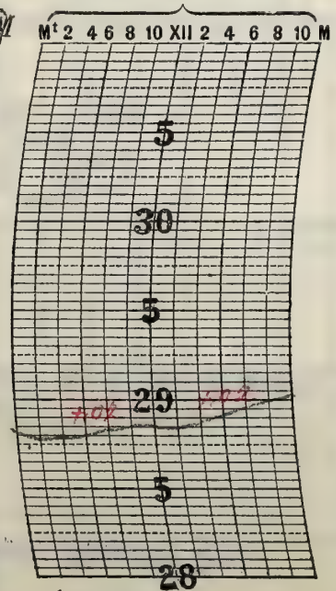
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 48.8 Wet temperature, 43.2
Dew-point, 37 R. humidity, 63 V. pressure, 219
Clouds: Amount, 3; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

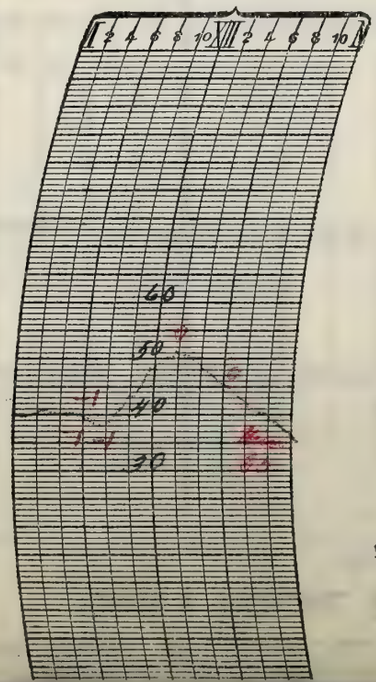
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by C. O. S.
Verified by P. McDonough

NOTES.

a fourth cloudy and moderately cool day

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) NOV 19 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 34 | 32 | 30 | 29 | 28 | 27 | 28 | 28 | 31 | 35 | 39 | 40 | 42 | 43 | 44 | 44 | 43 | 41 | 41 | 40 | 39 | 38 | 38 | 38 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Cloudy | Cloudy | Cloudy | Cloudy | Clear | Clear | Clear | | | | | | | | | | | |
| Sunrise: Time, Character, 6:33 Cloudy. Moonrise: 1:44p Clear | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:20 Cloudy. Moonset: 2:41a | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 (0.2) | 0 | | | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | E | E | SE | S | S | S | SW | SW | SW | S | S | S | S | S | S | S | S |
| Wind movement | 5 | 6 | 7 | 4 | 3 | 5 | 4 | 5 | 4 | 2 | 6 | 6 | 6 | 7 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 8 |
| Maximum velocities (exceeding 27 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

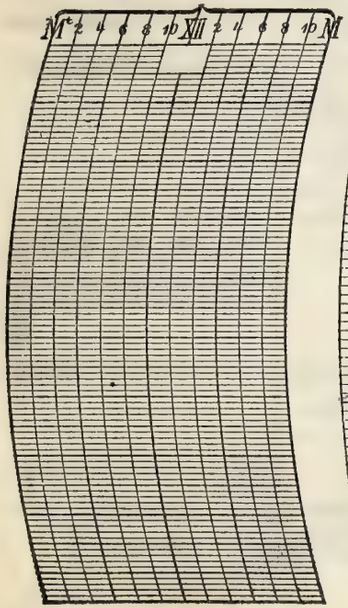
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 45 | 27 | 36 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, P. Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 2.3 Possible sunshine, hours, 9.8
Per cent of possible sunshine, 25
Prevailing wind direction, S Total wind 136
Average hourly velocity, 5.7 Extreme velocity, 10
Maximum velocity, 10 Direction, S
Time began, 11:12 p.m.
Reduced barometer, 30.10 7 a. m. 30.10 7 p. m.
River gage, 2.1 Feet.
Relative humidity, 82 7 a. m. 68 7 p. m.

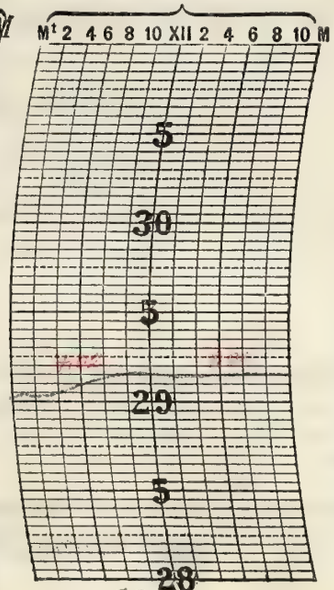
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 41.0 Wet temperature, 36.0
Dew-point, 29 R. humidity, 62 V. pressure, .157
Clouds: Amount, 3; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

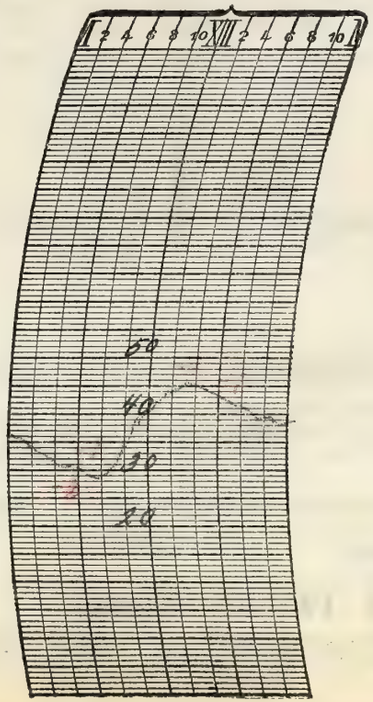
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by C C S

Verified by C. M. C. Donnegal

8—486

## NOTES.

A pretty cloudy and a cold day.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) NOV 20 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 37 | 36 | 36 | 37 | 36 | 35 | 35 | 36 | 40 | 46 | 49 | 53 | 57 | 58 | 58 | 56 | 54 | 52 | 51 | 50 | 49 | 48 | 49 | 51 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← | | Clear | | | | | | Clear | | | | | | | | → | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 0 | | | | | | | |
| Wind direction | S | S | S | S | S | S | S | S | S | S | S | S | SW | SW | SW | S | S | S | S | S | S | SW | SW | SW |
| Wind movement | 9 | 10 | 12 | 12 | 13 | 13 | 12 | 15 | 16 | 16 | 21 | 18 | 18 | 18 | 18 | 14 | 14 | 14 | 14 | 16 | 15 | 12 | 13 | 14 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time 6:35, Character Clear
Moonrise: 3:12 P Clear
Sunset: Time 4:19, Character Cloudy
Moonset: 2:37 a

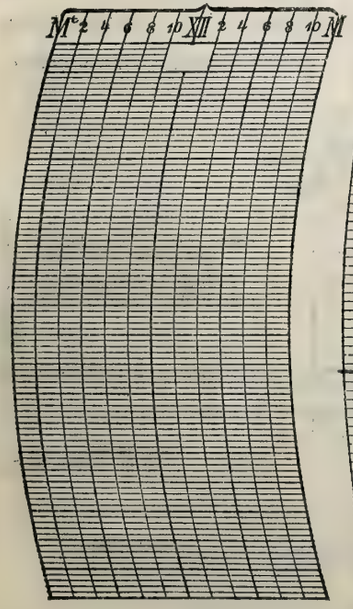
| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 58 | 34 | 46 | |

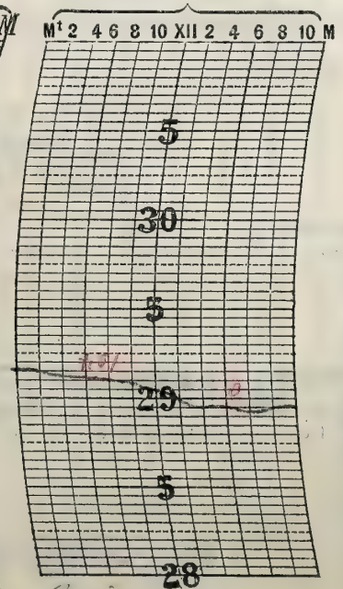
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 9.3 Possible sunshine, hours, 9.7
Per cent of possible sunshine, 96
Prevailing wind direction, S Total wind 342
Average hourly velocity, 14.3 Extreme velocity, 28
Maximum velocity, 36 Direction, S
Time began, 10:11 a.m.
Reduced barometer, 30.02 7 a. m. 29.86 7 p. m.
River gage, 2.0 feet
Relative humidity, 73 7 a. m. 57 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 53.0 Wet temperature, 45.0
Dew-point, 36 R. humidity, 53 V. pressure, 211
Clouds: Amount, Few; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

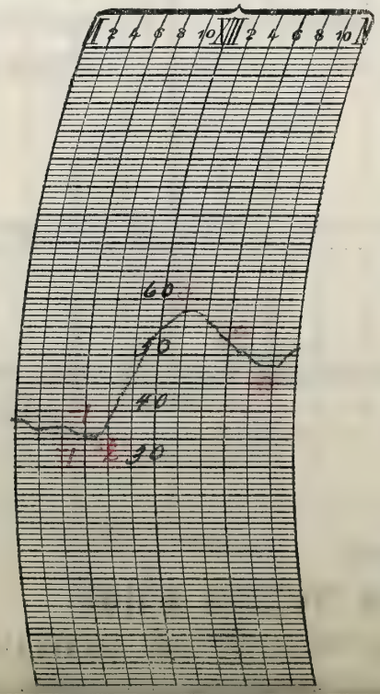
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




NOTES.

Prepared by W. S.
Verified by P. McDonough

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind, (Day of week) Wednesday, (Date) NOV 21 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 52 | 52 | 52 | 52 | 51 | 50 | 49 | 50 | 52 | 54 | 56 | 57 | 57 | 57 | 56 | 54 | 51 | 48 | 45 | 43 | 41 | 41 | 40 | 39 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Pt. Cloudy | | | Clear | | | | | | Pt. Cloudy | | | | | | | | |
| Sunrise: Time, Character, 6:36 Cloudy. Moonrise: 3:43 p Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:18 Clear. Moonset: 4:34 a | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.4 | 0 | | | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | W | W | W | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW |
| Wind movement | 15 | 17 | 18 | 17 | 16 | 13 | 13 | 13 | 14 | 16 | 14 | 12 | 12 | 12 | 13 | 9 | 9 | 8 | 11 | 10 | 8 | 5 | 4 | 6 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

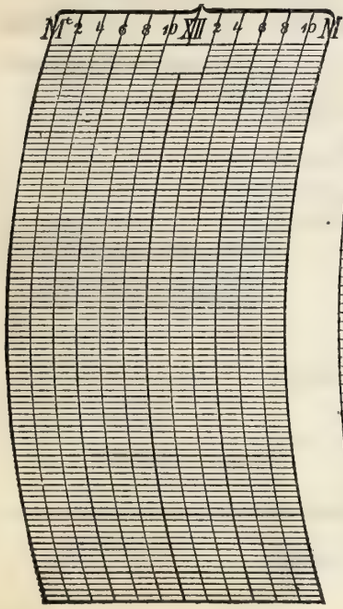
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 58 | 39 | 48 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear. Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 8.4 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 87
Prevailing wind direction, SW. Total wind 285
Average hourly velocity, 11.9 Extreme velocity, 23
Maximum velocity, 21 Direction, SW.
Time began, 9:27 a. m.
Reduced barometer, 29.91 7 a. m. 30.12 7 p. m.
River gage, 2.0 Feet.
Relative humidity, 74 7 a. m. 71 7 p. m.

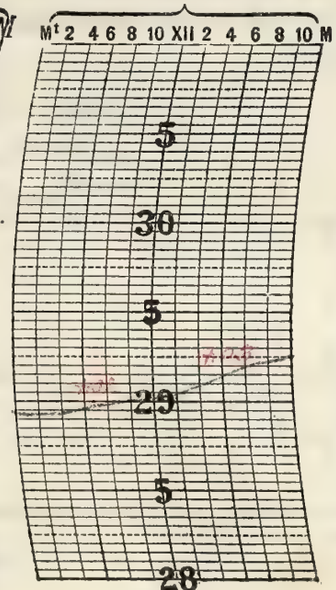
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 52.5 Wet temperature, 49.0
Dew-point, 41 R. humidity, 54 V. pressure, .256
Clouds: Amount, Few; Kind, Cu; Direction, NW.
Velocity of clouds (miles per hour)

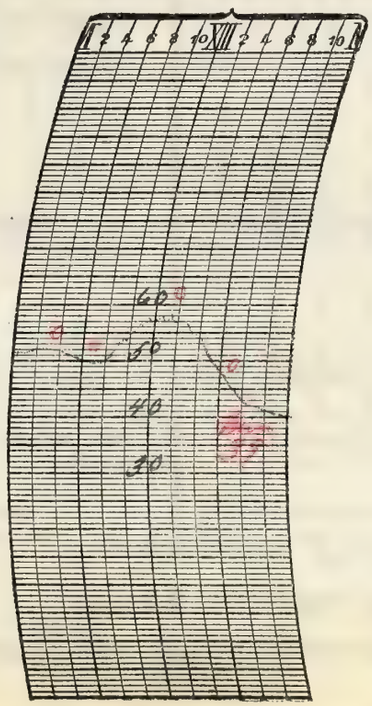
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by

Verified by

8—486

## NOTES.

A clear and moderately warm pleasant day.

A tolerably bright lunar halo of 22° radius was observed from 5:27 p.m. until 8:00 p.m.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) NOV 22 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 38 | 37 | 37 | 35 | 34 | 33 | 33 | 34 | 37 | 38 | 41 | 41 | 42 | 42 | 42 | 41 | 40 | 38 | 37 | 32 | 36 | 36 | 32 | 36 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | ← Clear | | | | | * | Pt Cloudy | | ← Cloudy | | | | | | | | | → |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunrise: Time, Character, 6:37 Cloudy. Moonrise: 4:16p Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:18 Cloudy. Moonset: 6:25a Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0 | 0 | | | | | | | |
| Wind direction | NW | NW | NW | NW | N | N | N | N | N | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E |
| Wind movement | 5 | 5 | 4 | 3 | 4 | 4 | 3 | 4 | 5 | 7 | 7 | 7 | 5 | 4 | 5 | 6 | 5 | 7 | 6 | 9 | 11 | 11 | 14 | 13 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

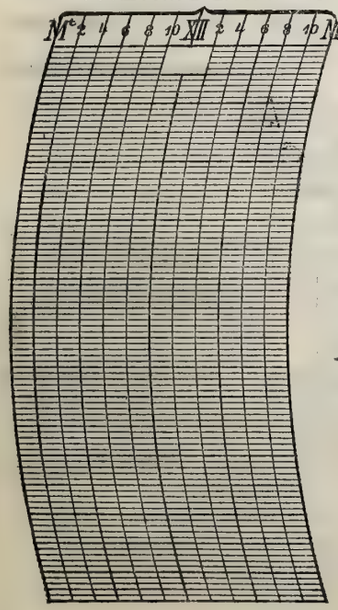
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 42 | 33 | 38 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 2.0 Possible sunshine, hours, 9.7
Per cent of possible sunshine, 22
Prevailing wind direction, E Total wind 154
Average hourly velocity, 6.4 Extreme velocity, 12
Maximum velocity, 18 Direction, E
Time began, 10:47 p.m.
Reduced barometer, 30.33 7 a. m. 30.21 7 p. m.
River gage, 2.2 Feet.
Relative humidity, 90 7 a. m. 71 7 p. m.

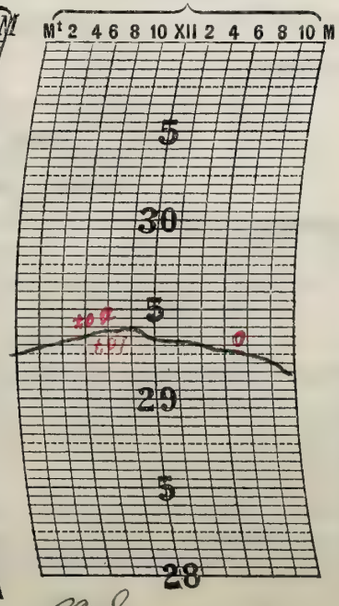
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 39.8 Wet temperature, 34.9
Dew-point, 28 R. humidity, 61 V. pressure, .150
Clouds: Amount, 5; Kind, Cist; Direction, NW.
Velocity of clouds (miles per hour)

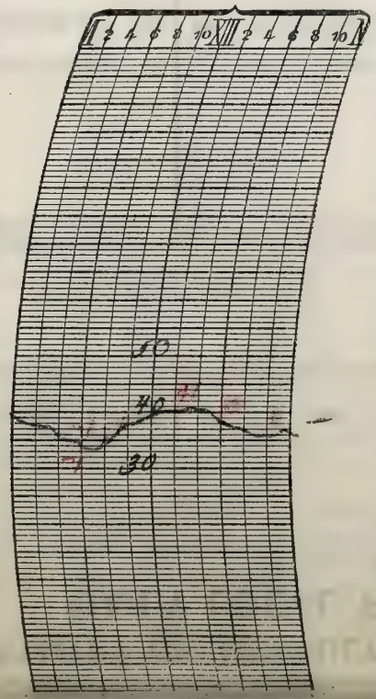
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




NOTES.

A portion of a faint solar halo of 22° radius was observed from 11:40 a.m. until 12:30 p.m. A partly cloudy and moderately cold day.

Prepared by

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

Form No. 1014—Met. 1.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) NOV 23 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 36 | 37 | 37 RB DNA | 36 | 35 | 35 | 36 RE 6:15 | 36 | 37 RB 8:46 | 37 | 38 | 39 | 40 | 41 | 40 | 40 | 40 RE 4:30 | 39 RB 5:10 | 39 RE 6:15 | 40 | 39 | 38 | 37 | 36 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | T | .05 | .04 | T | .01 | | T | T | .01 | .01 | T | T | T | T | T | T | .01 | | | | | |
| Cloudiness and other conditions | | | | | | | ← Cloudy | | | | | | | | Cloudy | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | E | E | E | E | E | E | NE | NE | E | E | E | S | W | W | W | W | W | W | W | NW | NW | NW | NW | NW |
| Wind movement | 9 | 7 | 5 | 6 | 7 | 5 | 6 | 6 | 3 | 2 | 2 | 4 | 4 | 10 | 13 | 16 | 15 | 14 | 13 | 12 | 13 | 12 | 13 | 11 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time 6:38 Character Cloudy
Moonrise: 4:52p Cloudy
Sunset: Time 4:17 Character Cloudy
Moonset: 6:25a Cloudy

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | |

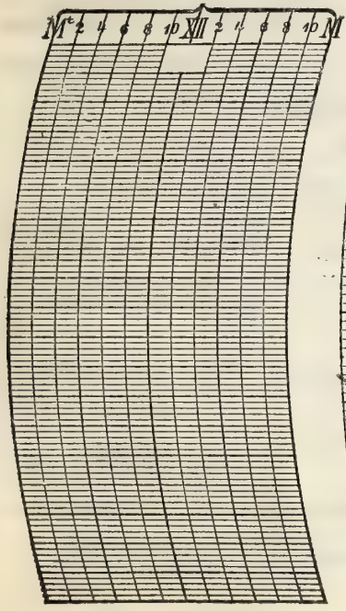
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 41 | 35 | 38 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 6 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .10 ins.; to 7 p. m., .03 ins.
Total precipitation, midnight to midnight, .13 inches.
Character of day, Cloudy Moon phase, Full: 6:15a
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.6
Per cent of possible sunshine, 0
Prevailing wind direction, E Total wind 208
Average hourly velocity, 8.7 Extreme velocity, 19
Maximum velocity, 17 Direction, W
Time began, 3:12 p.m.
Reduced barometer, 29.92 7 a. m. 29.94 7 p. m.
River gage, 2.3 Feet
Relative humidity, 95 7 a. m. 98 7 p. m.

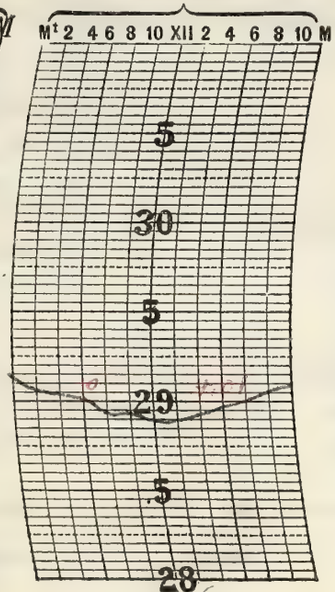
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 39.0 Wet temperature, 38.0
Dew-point, 37 R. humidity, 92 V. pressure, .219
Clouds: Amount, 10/10 6; Kind, Strat; Direction, NE 3
Velocity of clouds (miles per hour)

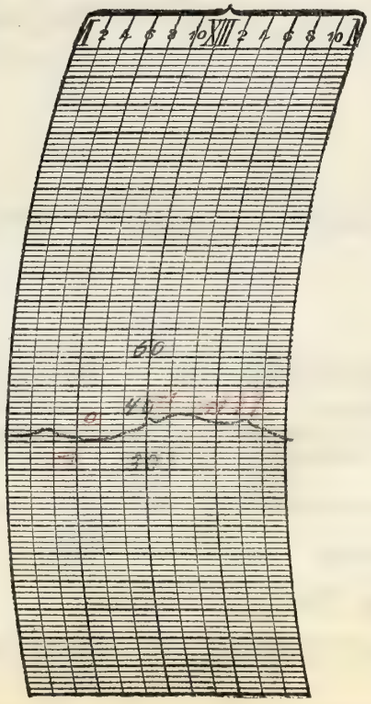
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by CCS
Verified by P. McDonough

8—486

## NOTES.

Light fog began — 6:30 a.m.
Light fog ended — 11:08 a.m.
Dense fog began — 11:08 a.m.
Dense fog ended — 11:27 a.m.
Light fog began — 11:27 a.m.
Light fog ended — 3:12 p.m.
A cloudy day with very light rain during most of the daylight hours and moderate to low temperatures

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) NOV 24 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 36 | 35 | 34 | 33 | 32 | 33 | 34 | 34 | 35 | 36 | 40 | 41 | 43 | 43 | 43 | 42 | 41 | 41 | 40 | 40 | 40 | 39 | 39 | 39 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | ← Cloudy | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunrise: Time, Character, 6:39 Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: 5:31 p Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, Character, 4:16 Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Moonset: 2:21 a Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0.4 | 1.0 | 1.0 | 1.0 | 0.9 | 0.2 | 0 | 0 | | | | | | | |
| Wind direction | N | N | NW | N | NW | W | NW | NW | NW | SW | SW | W | SW | SW | W | SW | SW | SW | SW | S | S | S | SW | SW |
| Wind movement | 8 | 7 | 6 | 6 | 4 | 5 | 6 | 3 | 4 | 5 | 5 | 6 | 5 | 7 | 5 | 6 | 4 | 4 | 4 | 7 | 7 | 8 | 8 | 7 |
| Maximum velocities (exceeding 20 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

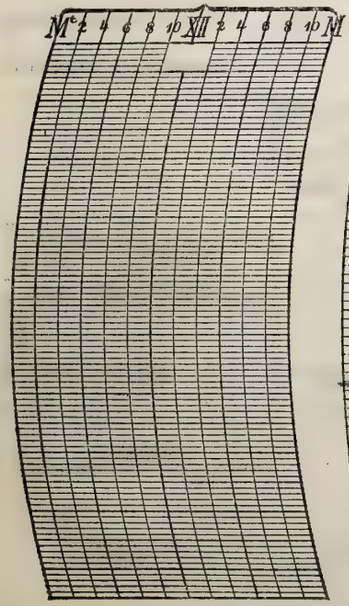
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 45 | 32 | 38 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 9
Actual sunshine, hours, 4.5 Possible sunshine, hours, 9.6
Per cent of possible sunshine, 47
Prevailing wind direction, SW Total wind 137
Average hourly velocity, 5.7 Extreme velocity, 11
Maximum velocity, 11 Direction, N
Time began, 12:48 a.m.
Reduced barometer, 30.15 7 a. m. 30.06 7 p. m.
River gage, 2.4 Feet.
Relative humidity, 94 7 a. m. 72 7 p. m.

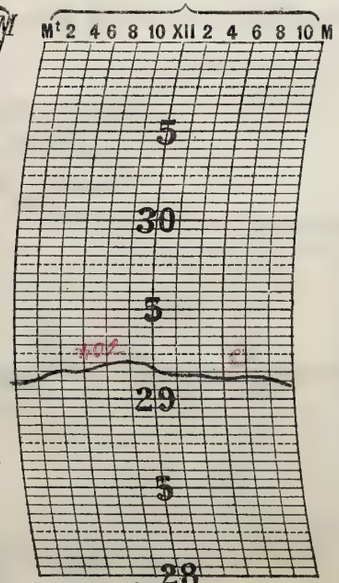
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 42.1 Wet temperature, 38.1
Dew-point, 33 R. humidity, 70 V. pressure, .187
Clouds: Amount, 8; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

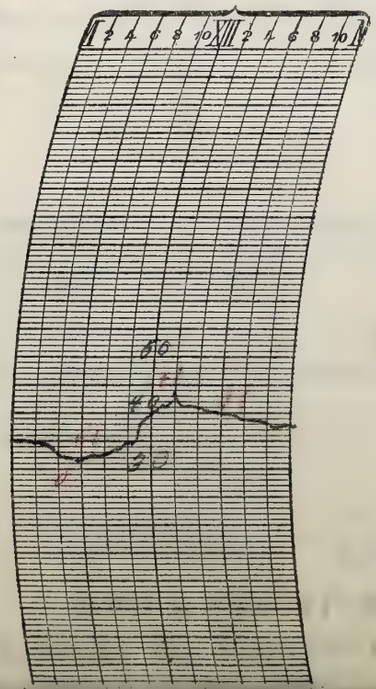
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by CDS
Verified by P. McDonough

NOTES.

A cloudy and moderately cool day.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) NOV 25 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 39 | 39 | 37 | 37 | 38 | 37 | 38 | 38 | 41 | 45 | 48 | 52 | 52 | 54 | 54 | 54 | 52 | 52 | 52 | 52 | 53 | 52 | 54 | 50 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | RD 2:03 RB 2:15 | RD 8:10 HE 8:31 | | RB 10:57 | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | T | T | | T | T |
| Cloudiness and other conditions | | | | | | | Cloudy | | | Pt. Cloudy | | | Pt. Cloudy | | | | | | | Cloudy | | | | |
| Sunrise: Time, Character, 6:14 a Cloudy. Moonrise: 6:16 p Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:16 Cloudy. Moonset: 8:13 p Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | 0.1 | 0 | | | | | | | |
| Wind direction | S | S | SE | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | SW | SW | SW | W |
| Wind movement | 6 | 6 | 6 | 8 | 8 | 8 | 9 | 8 | 13 | 14 | 13 | 16 | 16 | 13 | 11 | 12 | 12 | 15 | 17 | 16 | 14 | 13 | 10 | 9 |
| Maximum velocities (exceeding 27 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

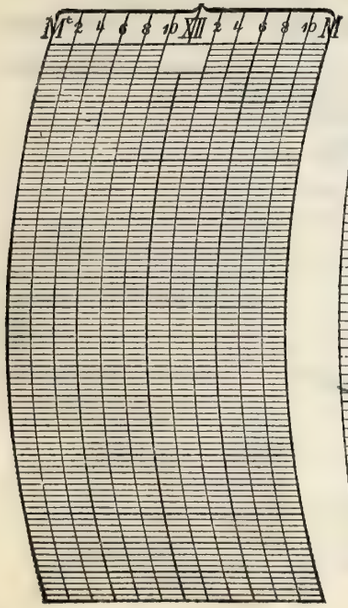
| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 54 | 37 | 46 | |

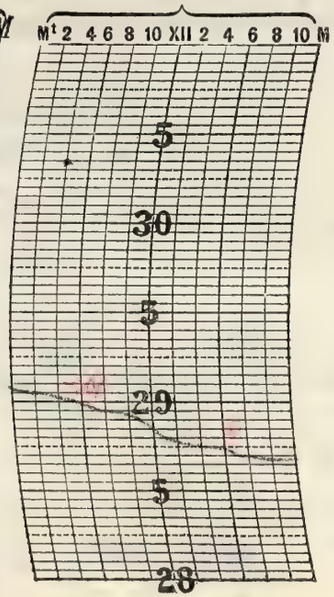
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 2.1 Possible sunshine, hours, 9.6
Per cent of possible sunshine, 24
Prevailing wind direction, S Total wind, 223
Average hourly velocity, 11.4 Extreme velocity, 27
Maximum velocity, 22 Direction, S
Time began, 12:19 p. m.
Reduced barometer, 29.22 7 a. m. 29.03 7 p. m.
River gage, 2.3 Feet.
Relative humidity, 88 7 a. m. 69 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 37.2 Wet temperature, 45.8
Dew-point, 40 R. humidity, 67 V. pressure, .247
Clouds: Amount, 4; Kind, AS.; Direction, NW.
Velocity of clouds (miles per hour)

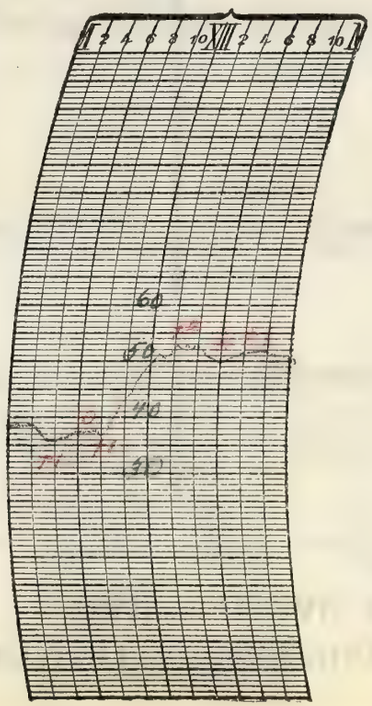
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




NOTES.

A mostly cloudy day with moderately pleasant temperatures

Prepared by C.C.A.
Verified by P. J. McDonough

8—486

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) NOV 26 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 49 | 48 | 47 | 46 | 46 | 44 | 43 | 42 | 41 | 39 | 39 | 38 | 38 | 37 | 37 | 38 | 38 | 37 | 37 | 36 | 36 | 36 | 36 | 35 |
| State of weather. Nature of precipitation and time of beginning and ending | | | 1PE DNA | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | .01 | .02 | .02 | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← Cloudy | | | | | | — Cloudy | | | | | | | | → | | | |
| Sunrise: Time, Character, 6:42 Cloudy; Moonrise: 2:06p Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:15 Cloudy; Moonset: 9:03a Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | W | W | SW | SW | W | W | W | W | W | NW | W | NW | W | W | W | W | W | W | W | W | W | W | W | W |
| Wind movement | 8 | 7 | 10 | 11 | 7 | 9 | 10 | 8 | 12 | 17 | 17 | 16 | 16 | 15 | 14 | 11 | 10 | 13 | 11 | 16 | 14 | 12 | 15 | 10 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

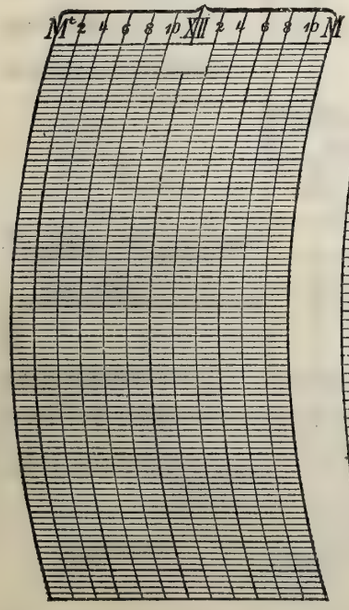
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 50 | 35 | 42 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .05 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .05 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.6
Per cent of possible sunshine, 0
Prevailing wind direction, W Total wind 291
Average hourly velocity, 12.1 Extreme velocity, 24
Maximum velocity, 23 Direction, W
Time began, 10:12a.m.
Reduced barometer, 29.61 7 a. m. 29.88 7 p. m.
River gage, 2.5 Feet
Relative humidity, 81 7 a. m. 70 7 p. m.

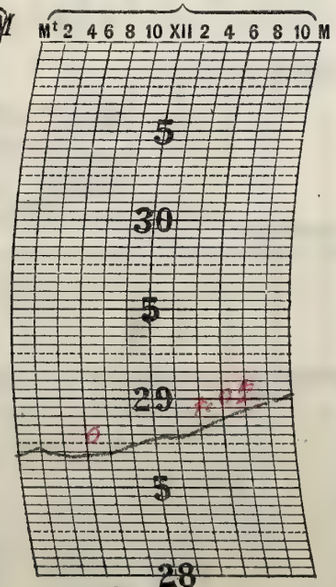
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 37.0 Wet temperature, 34.3
Dew-point, 31 R. humidity, 77 V. pressure, 172
Clouds: Amount, 10; Kind, St Cu.; Direction, NW
Velocity of clouds (miles per hour)

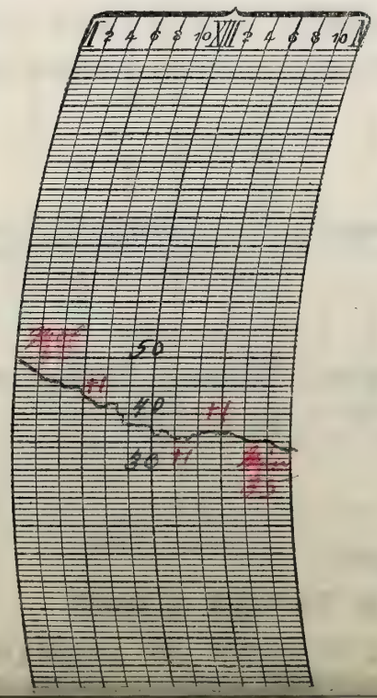
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




NOTES.

A cloudy day with cloudy & falling temperatures

Prepared by CCS

Verified by R McDonough

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) NOV 27 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 35 | 34 | 34 | 34 | 33 | 33 | 33 | 34 | 34 | 35 | 35 | 36 | 36 | 35 | 36 | 36 | 35 | 35 | 35 | 34 | 34 | 36 | 35 | 35 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← Cloudy | | | | | | — Cloudy | | | | | | | | | | | → |
| Sunrise: Time, 6:43 Character, Cloudy; Moonrise: 7:59p Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 4:10 Character, Cloudy; Moonset: 9:50a Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | NW |
| Wind movement | 10 | 10 | 10 | 10 | 10 | 9 | 8 | 7 | 9 | 8 | 7 | 8 | 9 | 8 | 8 | 6 | 6 | 6 | 5 | 5 | 4 | 3 | 3 | 4 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

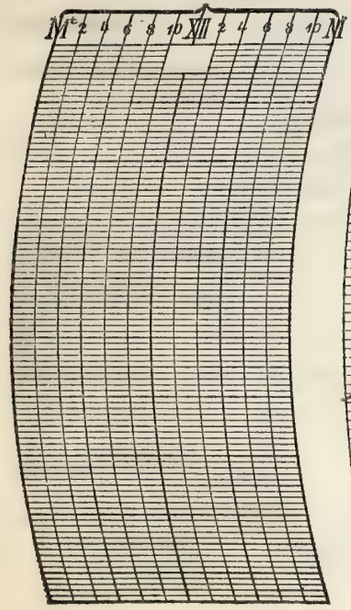
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 36 | 33 | 34 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.6
Per cent of possible sunshine, 0
Prevailing wind direction, W Total wind 193
Average hourly velocity, 7.2 Extreme velocity, 12
Maximum velocity, 12 Direction, W
Time began, 4:28 a.m.
Reduced barometer 30.13 7 a. m. 30.34 2 p. m.
River gage, 2.4 Feet.
Relative humidity, 78 7 a. m. 77 7 p. m.

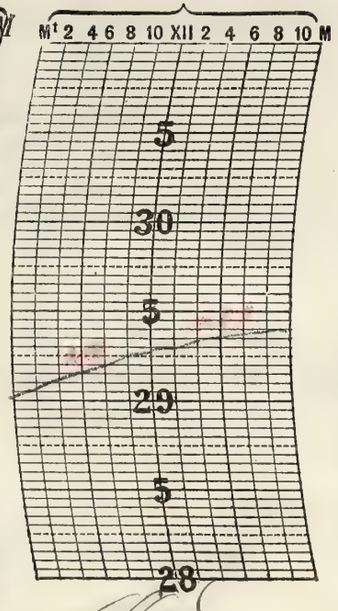
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 35.0 Wet temperature, 32.0
Dew-point 28 R. humidity, 73 V. pressure, 30.10
Clouds: Amount, 10; Kind, St; Direction, W
Velocity of clouds (miles per hour)

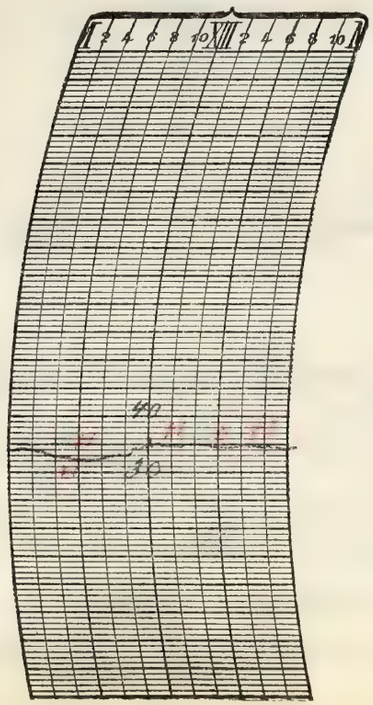
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by
Verified by P. McDonough

8—486

NOTES.

A cloudy and cold day.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) NOV 28 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 36 | 35 | 35 | 34 | 33 | 33 | 34 | 34 | 34 | 35 | 36 | 37 | 36 | 36 | 36 | 35 | 34 | 33 | 31 | 31 | 31 | 29 | 29 | 29 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← | Cloudy | — | — | — | — | — | — | Cloudy | — | — | — | — | — | — | → | | |
| Sunrise: Time, Character, 6:44 Cloudy. Moonrise: 8:56p Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:15 Cloudy. Moonset: 10:33a Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | NW | N | N | NE | NE | NE | NE | E | E | S | S | S | S | SE | SE | S | SE | E | E | E | E | E | E | SE |
| Wind movement | 4 | 4 | 4 | 3 | 6 | 6 | 3 | 3 | 6 | 3 | 4 | 4 | 3 | 4 | 4 | 6 | 3 | 3 | 4 | 6 | 6 | 5 | 3 | 4 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

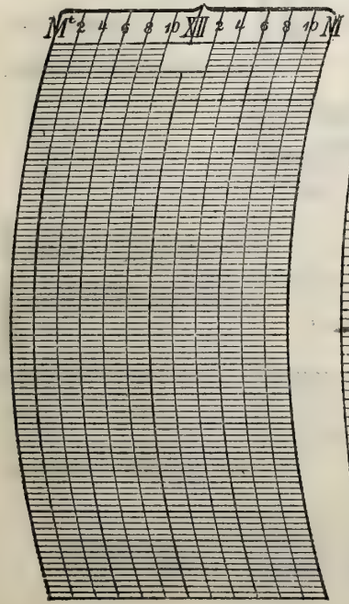
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 37 | 29 | 33 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.5
Per cent of possible sunshine, 0
Prevailing wind direction, E Total wind 99
Average hourly velocity, 4.1 Extreme velocity, 9
Maximum velocity, 9 Direction, S
Time began, 3:30 p.m.
Reduced barometer 30.29 7 a. m. 30.19 7 p. m.
River gage, 2.1 Feet.
Relative humidity, 72 7 a. m. 77 7 p. m.

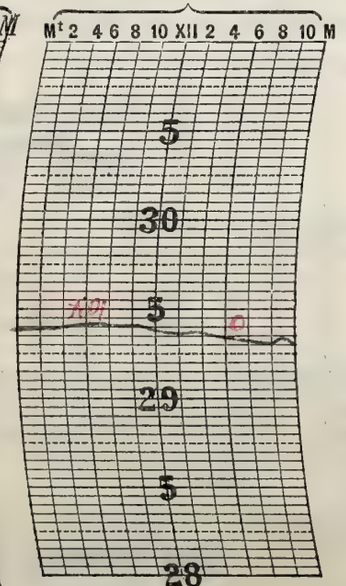
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 35.8 Wet temperature, 31.8
Dew-point, 26 R. humidity, 65 V. pressure, 136
Clouds: Amount, 10; Kind, St; Direction, S
Velocity of clouds (miles per hour)

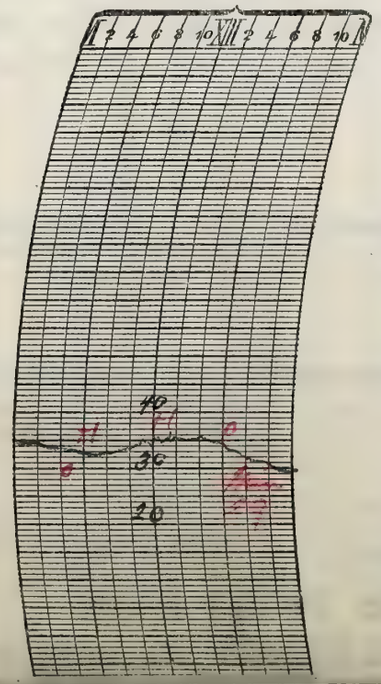
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by

Verified by P. McDonough

NOTES.

8 Eye observation.

A cloudy and moderately cool day.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) NOV 29 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 28 | 28 | 27 | 26 | 26 | 27 | 28 | 29 | 31 | 32 | 34 | 35 AB 11.17 | 35 | 36 | 36 | 37 | 37 | 38 | 38 | 39 | 41 | 47 | 49 | 49 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | T | .03 | .02 | .03 | .05 | .14 | .12 | .03 | T | .03 | .02 | T | T |
| Cloudiness and other conditions | | | | | | | ← Cloudy | | | | | | Cloudy | | | | | | | | | → | | |
| Sunrise: Time, Character, 6:46 Cloudy; Moonrise: 9:58P Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:14 Cloudy; Moonset: 11:13a Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | E | SE | SE | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | SE | SE | S |
| Wind movement | 5 | 3 | 5 | 4 | 4 | 5 | 6 | 7 | 7 | 7 | 10 | 9 | 9 | 14 | 14 | 13 | 17 | 12 | 11 | 8 | 5 | 5 | 9 | 8 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

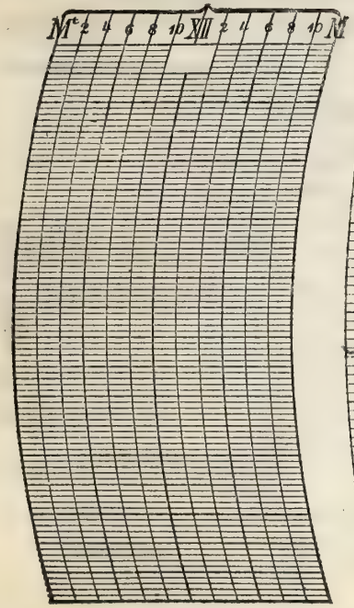
| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 49 | 26 | 38 | |

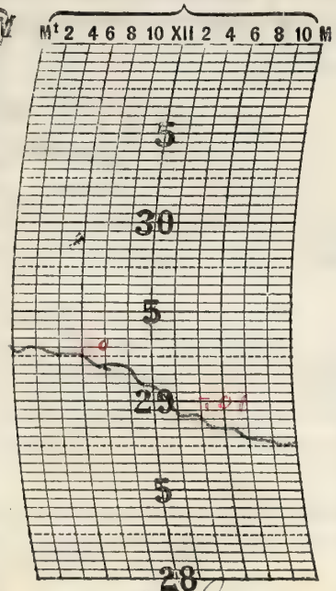
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .42 ins.
Total precipitation, midnight to midnight, .47 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.5
Per cent of possible sunshine, 0
Prevailing wind direction, E Total wind 197
Average hourly velocity, 8.2 Extreme velocity, 20
Maximum velocity, 19 Direction, E
Time began, 4:14 p.m.
Reduced barometer 30.19 7 a. m. 29.25 7 p. m.
River gage, 2.2 Feet.
Relative humidity, 82 7 a. m. 91 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 35.0 Wet temperature, 33.0
Dew-point, 30 R. humidity, 82 V. pressure, 1.164
Clouds: Amount, 10; Kind, N/S; Direction, E
Velocity of clouds (miles per hour)

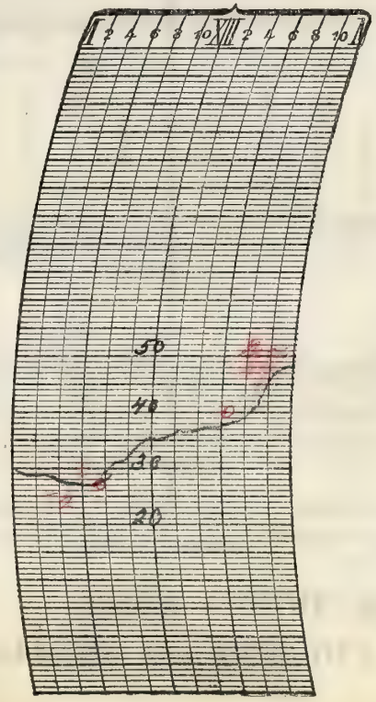
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by C. D. S.
Verified by P. McDonough

8—486

## NOTES.

A cloudy and moderately cool day with light rain falling during slightly more than the last half of the 24 hours.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) NOV 30 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 46 | 45 | 44 | 42 | 40 | 39 | 37 | 36 | 35 | 35 | 36 | 36 | 38 | 38 | 38 | 38 | 38 | 39 | 39 | 39 | 39 | 39 | 39 | 40 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | PE 9:40 RE 9:45 | | RE 11:18 | | | RB 2:15 RE 2:38 | | | | | RB 7:53 | RE 8:05 | | | |
| State of weather. Amounts of precipitation | T | T | T | T | .03 | T | .02 | .02 | .02 | .01 | T | T | | | T | | | | | T | T | | | |
| State of weather. Cloudiness and other conditions | ← Cloudy → | | | | | | | | | | | | ← Cloudy → | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | W | W | W | W | W | SW | SW | SW | SW |
| Wind movement | 19 | 16 | 16 | 15 | 13 | 14 | 16 | 14 | 13 | 15 | 14 | 12 | 15 | 12 | 11 | 11 | 10 | 7 | 6 | 5 | 7 | 10 | 9 | 8 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time 6:46, Character Cloudy. Moonrise: 11:00 p.

Sunset: Time 4:32, Character Cloudy. Moonset: 11:50 a Cloudy

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

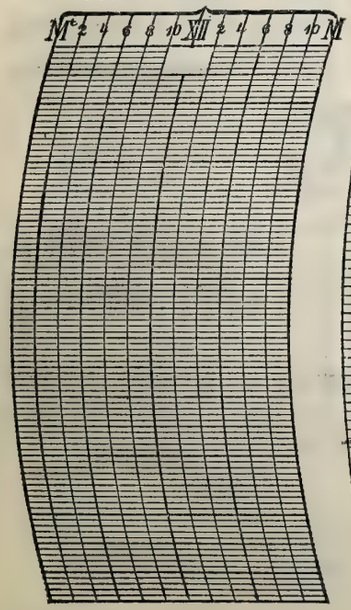
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 50 | 35 | 42 | |

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., .10 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .10 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.5
Per cent of possible sunshine, 0
Prevailing wind direction, SW Total wind 288
Average hourly velocity, 12.0 Extreme velocity, 28
Maximum velocity, 26 Direction, SW
Time began, 12:33 a.m.
Reduced barometer, 29.23 7 a. m. 30.08 7 p. m.
River gage, 2.4 Fall
Relative humidity, 94 7 a. m. 95 7 p. m.

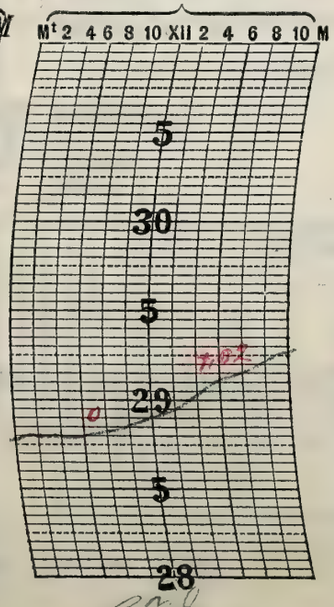
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 36.7 Wet temperature, 35.6
Dew-point, 34 R. humidity, 90 V. pressure, .195
Clouds: Amount, 10; Kind, St; Direction, SW
Velocity of clouds (miles per hour)

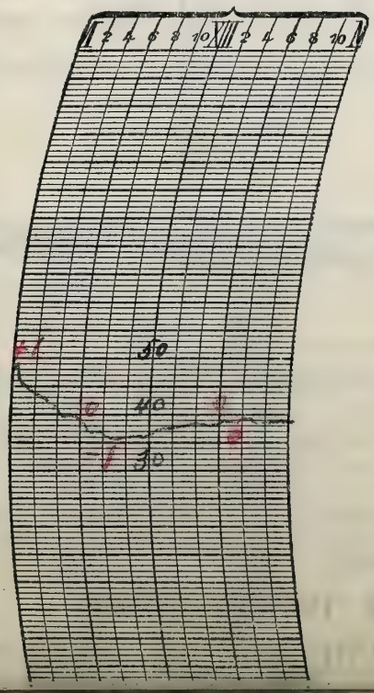
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by

Verified by P. McDonough

## NOTES.

A cloudy and moderately cool day with light rain falling during most of the forenoon and at intervals in the afternoon and evening

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) DEC -1 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 40 | 40 | 40 | 40 | 39 | 39 | 39 | 41 | 41 | 41 | 42 | 42 | 42 | 43 | 44 | 43 | 42 | 41 | 40 | 41 | 40 | 39 | 39 | 40 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation Cloudiness and other conditions | | | | | | | ← Cloudy | | | | | | | | × | | | Pt. Cloudy | | | | | | → |
| Sunrise: Time, Character, 6:47 Cloudy. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:14 Cloudy. Moonset: 12:15p Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0 | 0 | | | | | | | |
| Wind direction | SW | W | SW | SW | SW | SW | SW | SW | SW | SW | S | S | S | S | S | SE | SE | E | SE | SE | S | S | S | SW |
| Wind movement | 7 | 5 | 6 | 5 | 8 | 5 | 4 | 5 | 6 | 6 | 7 | 6 | 8 | 6 | 6 | 4 | 3 | 4 | 4 | 7 | 8 | 12 | 12 | 10 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

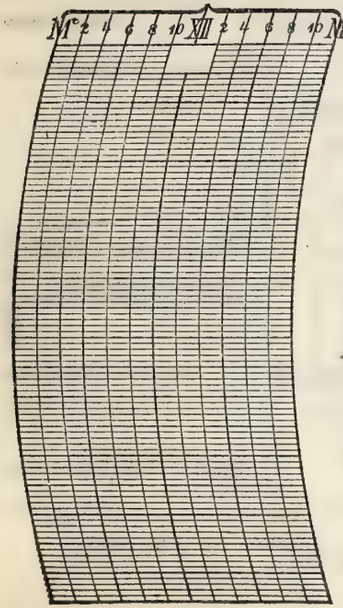
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 44 | 38 | 41 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase, L.Q. 4:09 a.m.
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 0.2 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 2
Prevailing wind direction, SW. Total wind 154
Average hourly velocity, 6.4 Extreme velocity, 14
Maximum velocity, 34 Direction, S
Time began, 10:41 p.m.,
Reduced barometer, 30.36 7 a. m. 30.31 7 p. m.
River gage, 2.8 Feet
Relative humidity, 94 7 a. m. 92 7 p. m.

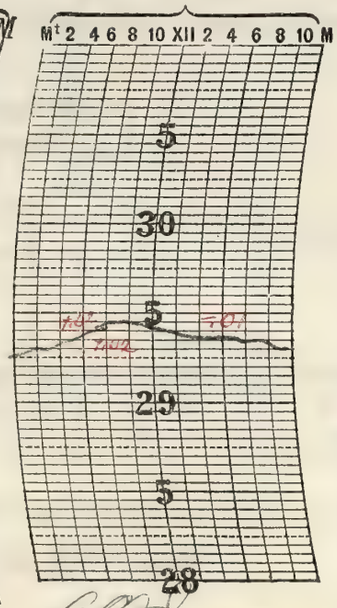
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 41.0 Wet temperature, 39.5
Dew-point, 38 R. humidity, 88 V. pressure, 228
Clouds: Amount, 10; Kind, Stu; Direction, S
Velocity of clouds (miles per hour)

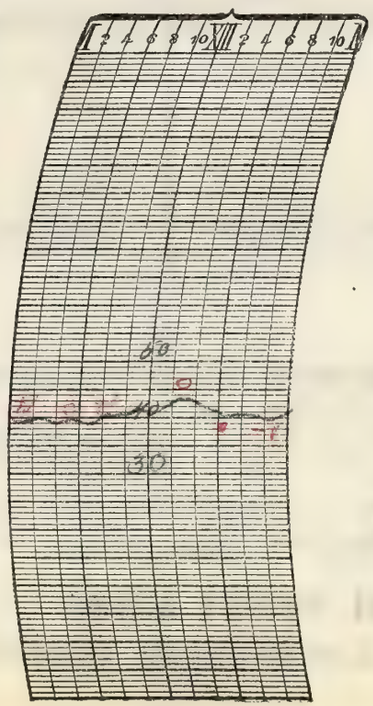
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



NOTES.

St. Fog began — 10 P.M.
St. Fog ended — 10:15 a.m.
A cloudy and moderately cool day.

Prepared by
Verified by R McDonough

8—486

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Sunday, (Date) DEC -2 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 41 | 44 | 45 | 46 | 46 | 46 | 46 | 45 | 44 | 43 | 43 | 43 | 43 | 43 | 42 | 41 | 39 | 37 | 36 | 36 | 36 | 34 | 33 | 32 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← Cloudy | | | | | | × | | Pt Cloudy | | | | | | | | | → |
| Sunrise: Time, Character, 6:48 Cloudy. Moonrise: 12:06a | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:13 Cloudy. Moonset: 12:37p Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.4 | 1.0 | 0.1 | 0 | 0 | | | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | W | NW | NW | W | W | NW | W | NW | W | NW | NW | NW | NW | SW | SW | SW | SW |
| Wind movement | 12 | 13 | 14 | 14 | 15 | 11 | 8 | 14 | 16 | 15 | 15 | 14 | 14 | 13 | 10 | 8 | 5 | 5 | 4 | 3 | 3 | 4 | 5 | 6 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

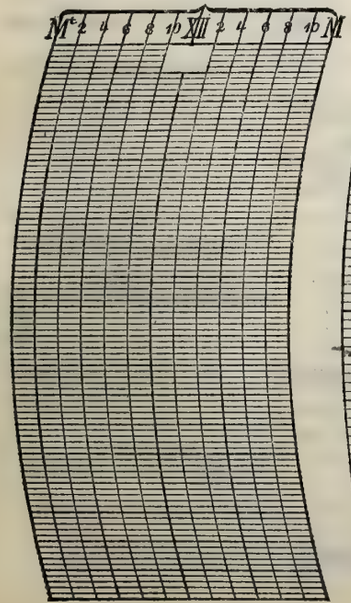
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 46 | 32 | 39 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m. 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0–10), 8
Actual sunshine, hours, 1.6 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 17
Prevailing wind direction, SW Total wind 344
Average hourly velocity, 10.0 Extreme velocity, 20
Maximum velocity, 19 Direction, NW
Time began, 8:22 a.m.
Reduced barometer, 30.11 7 a. m. 30.21 7 p. m.
River gage, 2.7 Feet
Relative humidity, 89 7 a. m. 84 7 p. m.

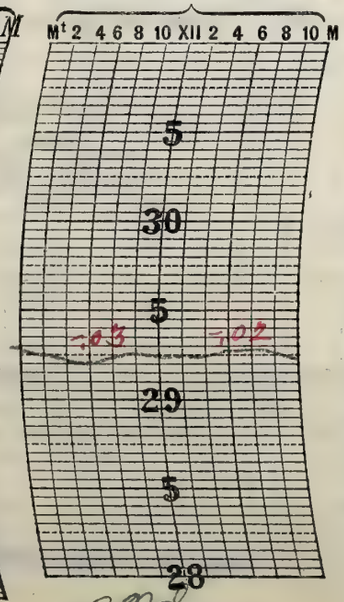
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 43.2 Wet temperature, 41.6
Dew-point, 40 R. humidity, 88 V. pressure, 247
Clouds: Amount, 9; Kind, StCu.; Direction, NW
Velocity of clouds (miles per hour)

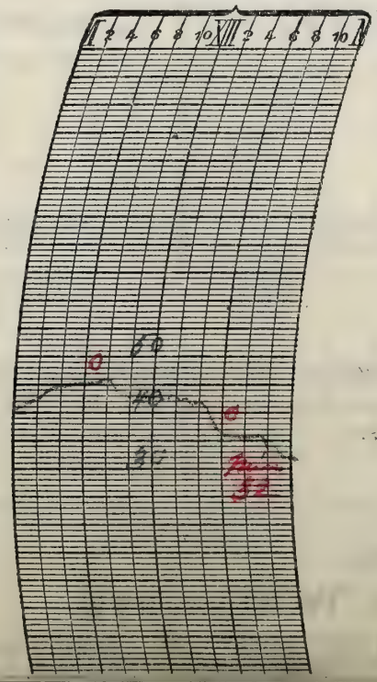
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by CDS

Verified by J. M. Smoak

NOTES.

A cloudy day with hourly talking temperatures

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) DEC -3 1923, 192

| Time (local standard). 90th mer. normal time. | A. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 32 | 32 | 32 | 32 | 32 | 32 | 31 | 32 | 34 | 36 | 39 | 41 | 42 | 42 | 42 | 42 | 43 | 43 | 43 | 43 | 44 | 42 | 43 | 43 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | RB 12:20 | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | .02 | .03 | .08 | .04 | .02 | .01 | .01 | .01 | T | .01 | .01 | .05 |
| Cloudiness and other conditions | | | | | | | Cloudy & Fog | | | | | x-Cloudy | | | | | Cloudy | | | | | | | |
| Sunrise: Time, Character, 6:49 Cloudy. Moonrise: 11:14a | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:13 Cloudy. Moonset: 1:34p Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0.2 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | S | S | SW | SW | S | SW | SW | SW | S | S | S | S | SW | SW | SW | SW | SW | SW |
| Wind movement | 7 | 8 | 6 | 3 | 3 | 4 | 9 | 8 | 9 | 10 | 10 | 11 | 10 | 8 | 8 | 9 | 8 | 6 | 5 | 5 | 4 | 4 | 2 | 2 |
| Maximum velocities (exceeding 22 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

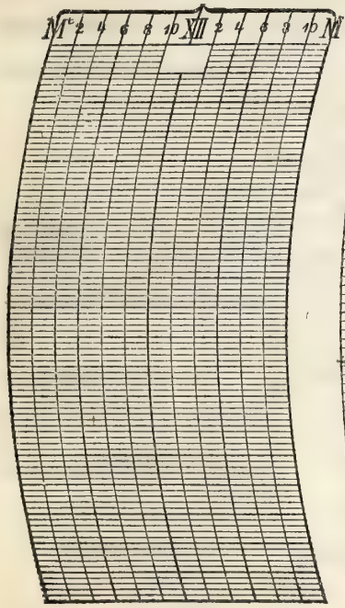
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 44 | 31 | 38 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .21 ins.
Total precipitation, midnight to midnight, .29 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.2 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 2
Prevailing wind direction, SW Total wind, 153
Average hourly velocity, 6.6 Extreme velocity, 16
Maximum velocity, 13 Direction, SW
Time began, 11:18 a.m.
Reduced barometer, 30.11 7 a. m. 29.97 7 p. m.
River gage, 2.7 Feet
Relative humidity, 89 7 a. m. 96 7 p. m.

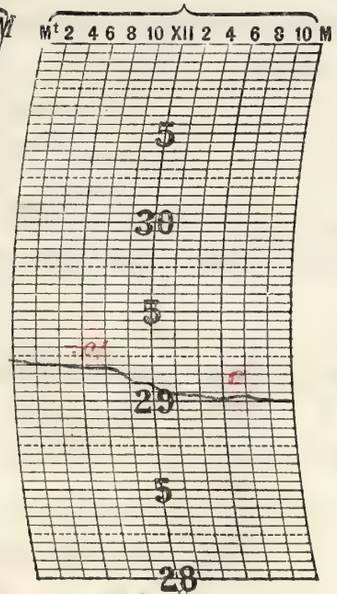
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 40.8 Wet temperature, 39.3
Dew-point, 38 R. humidity, 88 V. pressure, .228
Clouds: Amount, 10; Kind, St; Direction, SW
Velocity of clouds (miles per hour)

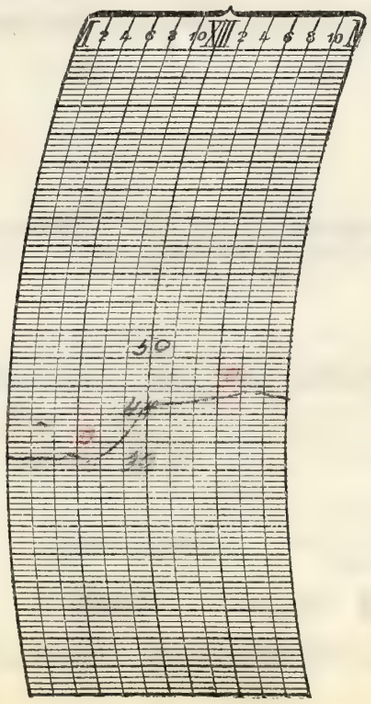
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by
Verified by

8—486

## NOTES.

Dense Fog began - 7:45 a.m.
Dense Fog ended - 10:30 a.m.
Light Fog began - 10:30 a.m.
Light Fog ended - 11:16 a.m.
A cloudy day with rain in the afternoon and night p.m. and moderate temperature.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Tuesday, (Date) DEC -4 1923, 192

Time (local standard). 90th mer. normal time.

| | 12-1 A.M. | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 P.M. | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 42 | 42 | 41 | 41 | 40 | 40 | 39 | 39 | 39 | 38 | 38 | 37 | 37 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 37 | 37 | 37 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | T | .01 | .03 | .02 | .02 | .06 | .06 | .04 | .06 | .06 | .08 | .10 | .06 | .04 | .02 | .06 | .06 | .02 | .01 | .04 | .03 | .04 | .04 | .04 |
| Cloudiness and other conditions | | | | | | | ← Cloudy | | | | | | → Cloudy | | | | | | | | | | | → |
| Sunrise: Time, Character, 6:50 Cloudy. Moonrise: 2:24a | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:43 Cloudy. Moonset: 2:10p Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | SW | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE |
| Wind movement | 3 | 5 | 8 | 7 | 9 | 10 | 10 | 11 | 12 | 13 | 13 | 14 | 17 | 18 | 18 | 18 | 20 | 20 | 20 | 19 | 19 | 18 | 16 | 14 |
| Maximum velocities (exceeding 27 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 43 | 37 | 40 | |

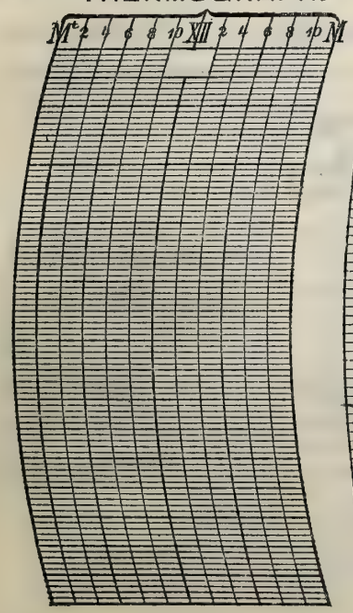
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .22 ins.; to 7 p. m., .66 ins.
Total precipitation, midnight to midnight, 1.04 inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 0
Prevailing wind direction, NE. Total wind, 332
Average hourly velocity, 13.8 Extreme velocity, 25
Maximum velocity, 24 Direction, NE
Time began, 5:19 p.m.
Reduced barometer, 29.87 7 a. m. 29.69 7 p. m.
River gage, 2.9 Feet.
Relative humidity, 95 7 a. m. 96 7 p. m.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | |

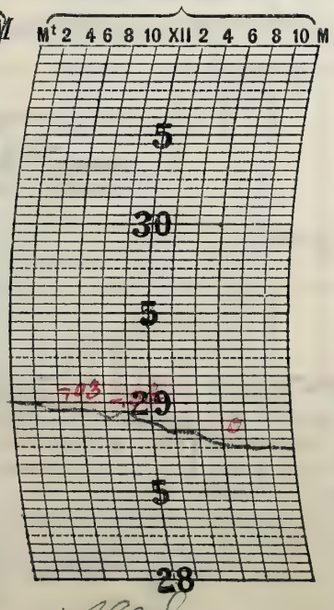
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 32.8 Wet temperature, 32.0
Dew-point, 36 R. humidity, 93 V. pressure, .211
Clouds: Amount, 10; Kind, Nb; Direction, NE
Velocity of clouds (miles per hour)

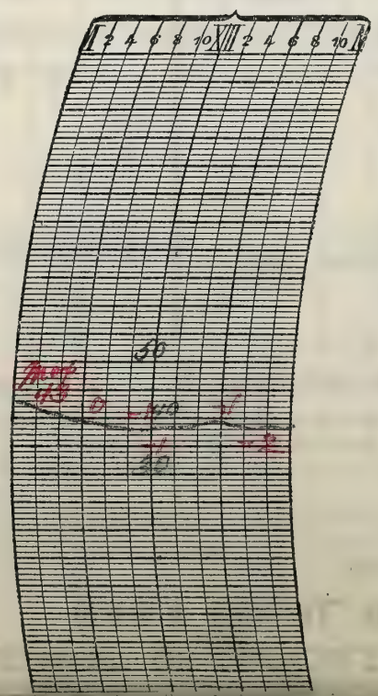
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by C.R.S.
Verified by F. McDonough

## NOTES.

Special 12:00 Mean (75th Meridian Time) observations called for by the Chicago Office.

A steadily rainy and very disagreeable day the storm which commenced on the 3rd continuing through this day and the 5th.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) DEC -5 1923, 192

Time (local standard). 90th mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 37 | 37 | 37 | 38 | 38 | 38 | 38 | 37 | 37 | 37 | 38 | 39 | 39 | 39 | 39 | 38 | 38 | 38 | 38 | 38 | 37 | 37 | 37 | 36 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | RE 12:35 R 12:55 | | | | RE 4:00 | RS 5:00 | RE 6:15 | | R 8:45 | | RE 10:30 | |
| Amounts of precipitation | .04 | .01 | .01 | T | .01 | .01 | T | T | T | T | T | .01 | T | T | T | T | T | T | T | | T | T | T | |
| Cloudiness and other conditions | | | | | | | Cloudy | | | | | | | | Cloudy | | | | | | | | | |

Sunrise: Time, 6:51 Character, Cloudy
Moonrise: 3:36a

Sunset: Time, 4:13 Character, Cloudy
Moonset: 2:49p Cloudy

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | N | N | N | N | N | N | N |
| Wind movement | 16 | 16 | 15 | 16 | 17 | 16 | 18 | 17 | 16 | 17 | 14 | 15 | 15 | 15 | 14 | 13 | 13 | 13 | 11 | 11 | 11 | 13 | 15 | 14 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

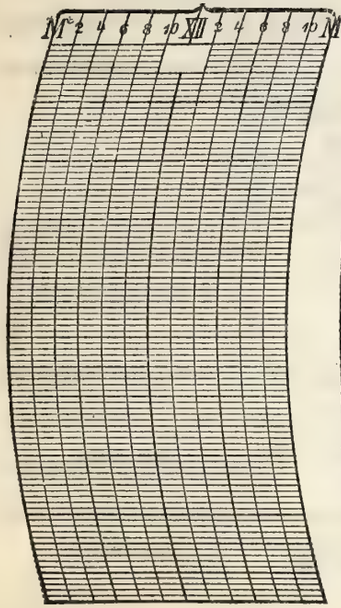
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 39 | 36 | 38 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .27 ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, .09 inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 0
Prevailing wind direction, NE Total wind 3.5?
Average hourly velocity, 14.6 Extreme velocity, 24
Maximum velocity, 23 Direction, NE
Time began, 6:26 a.m.
Reduced barometer, 29.63 7 a. m. 29.59 7 p. m.
River gage, 11.2 Feet.
Relative humidity, 96 7 a. m. 96 7 p. m.

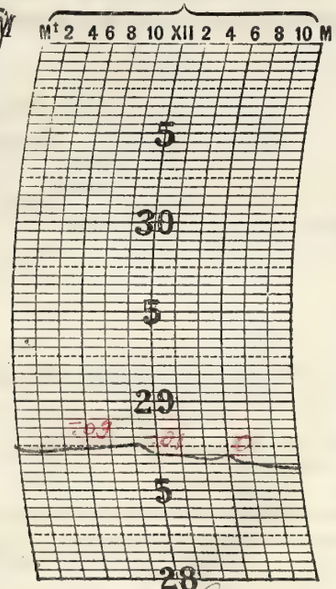
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 39.0 Wet temperature, 38.0
Dew-point, 37 R. humidity, 92 V. pressure, 21.9
Clouds: Amount, 10; Kind, Nb; Direction, NE
Velocity of clouds (miles per hour)

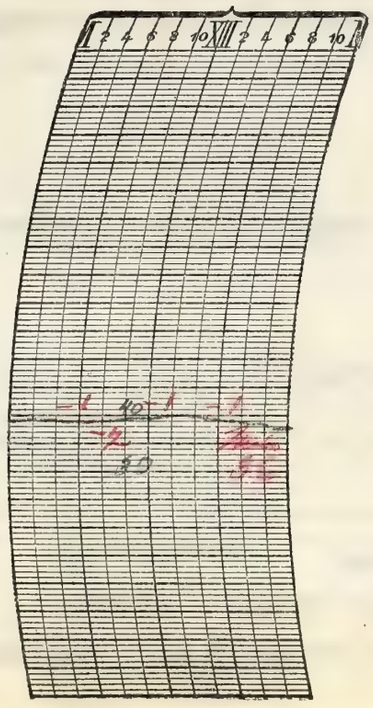
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by
Verified by J. M. Donnegh

8—486

## NOTES.

The rain which commenced on the 3rd ended shortly after the mean time date but there followed several very light showers until late at night.

A cloudy, cold and very disagreeable day.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) DEC - 6 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 36 | 36 | 35 | 35 | 35 | 36 | 36 | 37 | 38 | 38 | 39 | 37 | 39 | 41 | 41 | 40 | 39 | 39 | 38 | 38 | 36 | 35 | 34 | 34 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← Cloudy | | | | | | × Pt Cldy | × Clear | | | | × Pt. Cloudy | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.8 | 1.0 | 0.7 | 0 | | | | | | | |
| Wind direction | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | W | W | W | W | W | SW | SW | W | W | SW | SW | SW | SW |
| Wind movement | 17 | 17 | 20 | 19 | 19 | 18 | 14 | 18 | 16 | 15 | 19 | 18 | 18 | 14 | 15 | 13 | 11 | 11 | 8 | 9 | 8 | 11 | 11 | 11 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:52 Character, Cloudy
Moonrise: 4:50a

Sunset: Time, 4:23 Character, Cloudy
Moonset: 8:33p Cloudy

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

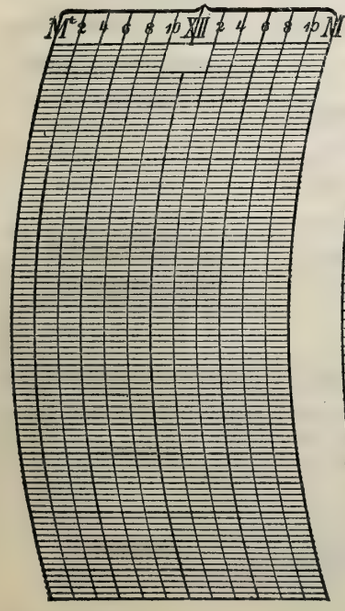
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 41 | 34 | 38 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0–10), 6
Actual sunshine, hours, 2.7 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 29
Prevailing wind direction, NW. Total wind 330
Average hourly velocity, 14.6 Extreme velocity, 26
Maximum velocity, 24 Direction, NW.
Time began, 3:08 a.m.
Reduced barometer, 29.62 7 a. m. 29.83 7 p. m.
River gage, 12.3 Feet.
Relative humidity, 96 7 a. m. 85 7 p. m.

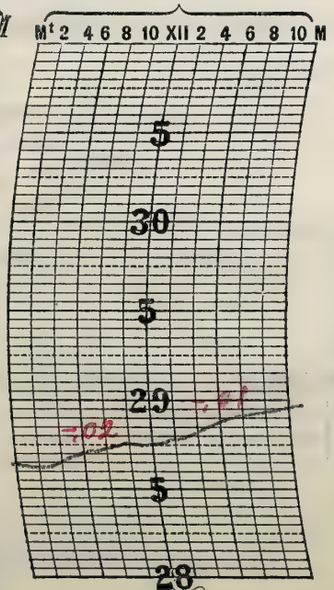
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 37.2 Wet temperature, 35.4
Dew-point, 33 R. humidity, 85 V. pressure, .187
Clouds: Amount, 10; Kind, StCu; Direction, NW.
Velocity of clouds (miles per hour)

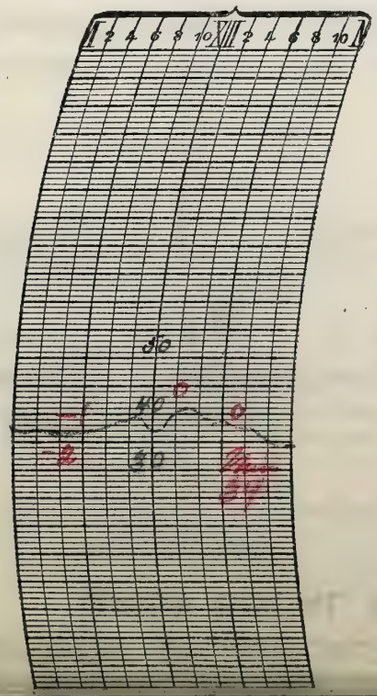
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



NOTES.

A fourth Cloudy and
moderate cool Day,

Prepared by EOS
Verified by F. M. Donnaghy

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) DEC -1 1923, 192

Time (local standard), 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 34 | 33 | 32 | 32 | 32 | 32 | 32 | 36 | 39 | 40 | 43 | 45 | 48 | 49 | 49 | 49 | 49 | 49 | 50 | 50 | 50 | 50 | 50 | 50 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Sl. Cloudy | × | | | Cloudy | | | | | | | | Cloudy | → | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0.9 | 1.0 | 0.2 | 0.5 | 0.8 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | SW | SW | SW | SW | SW | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | SW | SW | SW |
| Wind movement | 12 | 10 | 10 | 9 | 9 | 11 | 14 | 13 | 14 | 13 | 16 | 18 | 17 | 17 | 18 | 19 | 16 | 17 | 21 | 23 | 21 | 19 | 20 | 19 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:53 Character, Cloudy
Moonrise: 6:03 Cloudy

Sunset: Time, 4:23 Character, Cloudy
Moonset: 4:23 p Cloudy

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

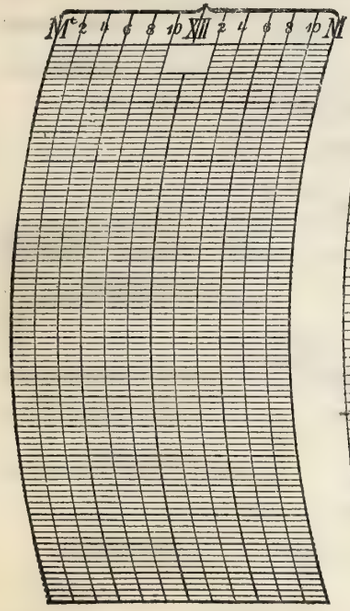
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 50 | 32 | 41 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase, New 2:30 p.
Average daily cloudiness (0–10), 8
Actual sunshine, hours, 3.4 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 37
Prevailing wind direction, S Total wind 376
Average hourly velocity, 15.7 Extreme velocity, 27
Maximum velocity, 26 Direction, S
Time began, 7:14 p.m.
Reduced barometer, 29.87 7 a. m. 28.60 7 p. m.
River gage, 10.6 Feet
Relative humidity, 85 7 a. m. 74 7 p. m.

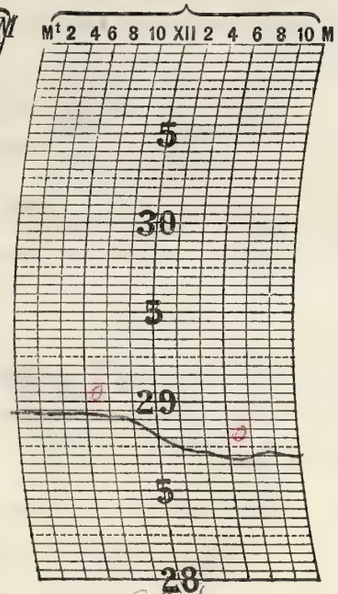
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 45.0 Wet temperature, 40.6
Dew-point, 35 R. humidity, 69 V. pressure, 203
Clouds: Amount, 8; Kind, AST; Direction, W.
Velocity of clouds (miles per hour)

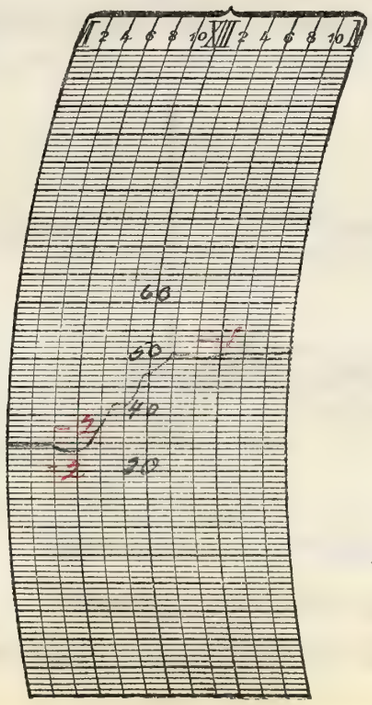
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by C.E.S.
Verified by P. M. Dunnigh

8—486

NOTES.

A cloudy day with slowly rising temperature.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) DEC 8 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 53 | 53 | 51 | 50 | 49 | 50 | 50 | 51 | 52 | 53 | 54 | 54 | 54 | 55 | 54 | 54 | 50 | 47 | 47 | 46 | 46 | 45 | 45 | 45 |
| State of weather. Nature of precipitation and time of beginning and ending | RBE ONA | | | | | | | | | | | | | | RB 2:09 | RE 3:15 | RB 4:15 | RE 5:50 | | RB 7:15 RE 7:38 | | | RB 10:57 | |
| Amounts of precipitation | T | | | | | | | | | | | | | | I | T | .07 | .01 | | T | | | T | T |
| Cloudiness and other conditions | | | | | | | 2 | | Cloudy | | | | | | | Cloudy | | | | | | | | |
| Sunrise: Time, Character, 6:54 Cloudy. Moonrise: 7:12 a. Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:43 Cloudy. Moonset: 5:18 p. Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | S | SW | SW | SW | N | NE | NE | NE | NE | E | NE |
| Wind movement | 18 | 19 | 17 | 11 | 14 | 13 | 14 | 16 | 14 | 14 | 15 | 15 | 16 | 14 | 12 | 9 | 7 | 9 | 8 | 6 | 7 | 6 | 5 | 4 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

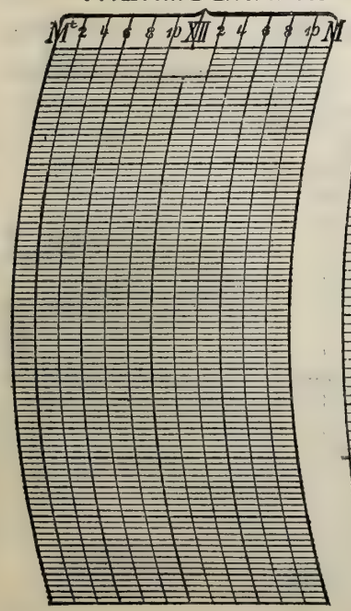
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 55 | 45 | 50 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .08 ins.
Total precipitation, midnight to midnight, .08 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 0
Prevailing wind direction, SW Total wind 283
Average hourly velocity, 11.8 Extreme velocity, 27
Maximum velocity, 24 Direction, SW
Time began, 1:11 a.m.,
Reduced barometer, 29.68 7 a. m. 29.85 7 p. m.
River gage, 7.7 Feet
Relative humidity, 85 7 a. m. 98 7 p. m.

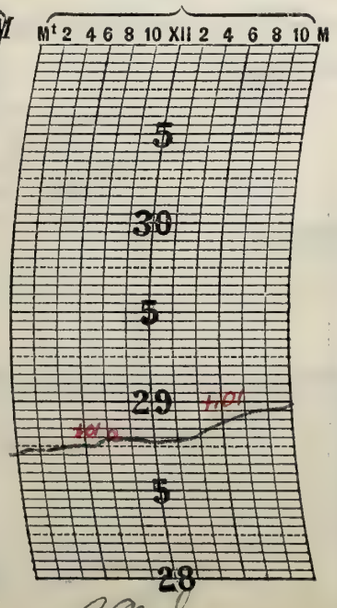
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 54.4 Wet temperature, 52.4
Dew-point, 51 R. humidity, 88 V. pressure, 323
Clouds: Amount, 10; Kind, St; Direction, SW.
Velocity of clouds (miles per hour)

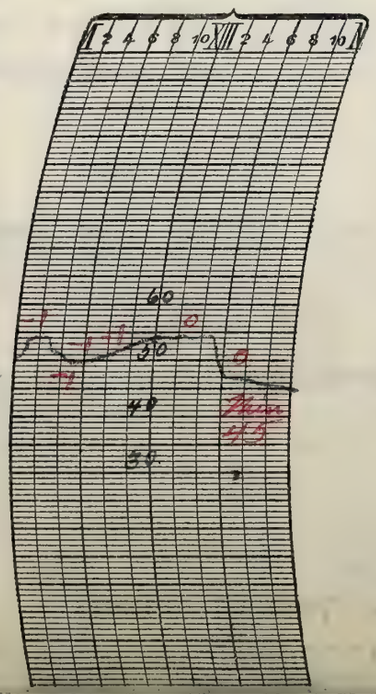
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cloudy day with intermittent showers during the afternoon and night and moderate temperatures

Prepared by CDS

Verified by P. H. Donoughe

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind, (Day of week) Monday, (Date) DEC -9 192, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 45 | 44 | 44 | 44 | 43 | 43 | 43 | 42 | 42 | 43 | 44 | 45 | 46 | 46 | 46 | 46 | 45 | 45 | 44 | 44 | 44 | 44 | 44 | 43 |
| State of weather: Nature of precipitation and time of beginning and ending | | RE ONA | | | | | | | | | | | | | | | | | | | | | | |
| State of weather: Amounts of precipitation | .01 | .01 | | | | | | | | | | | | | | | | | | | | | | |
| State of weather: Cloudiness and other conditions | | | | | | | ← Cloudy | | | | | | | | | Cloudy | | | | | | | | → |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | E | E | E | E | E | E | E |
| Wind movement | 5 | 7 | 7 | 7 | 10 | 11 | 9 | 9 | 11 | 12 | 12 | 12 | 10 | 11 | 11 | 11 | 12 | 11 | 12 | 12 | 10 | 12 | 8 | 9 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:15a Character, Cloudy
Moonrise: 8:16a Cloudy
Sunset: Time, 4:13 Character, Cloudy
Moonset: 6:19p Cloudy

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | |

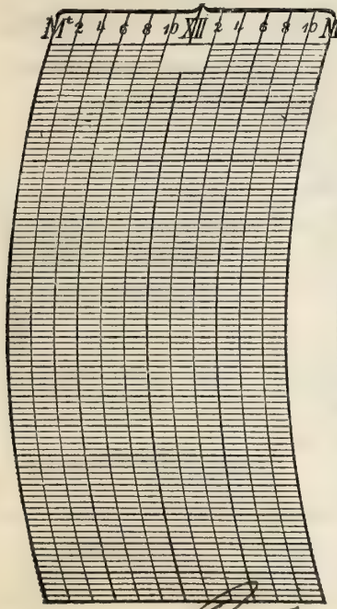
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 46 | 42 | 44 | ✓ |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .02 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .02 inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.1 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 1
Prevailing wind direction, NE Total wind 241
Average hourly velocity, 10.0 Extreme velocity, 16
Maximum velocity, 15 Direction, E
Time began, 9:46 p.m.
Reduced barometer, 30.06 7 a. m. 30.15 7 p. m.
River gage, 6.1 Feet
Relative humidity, 96 7 a. m. 89 7 p. m.

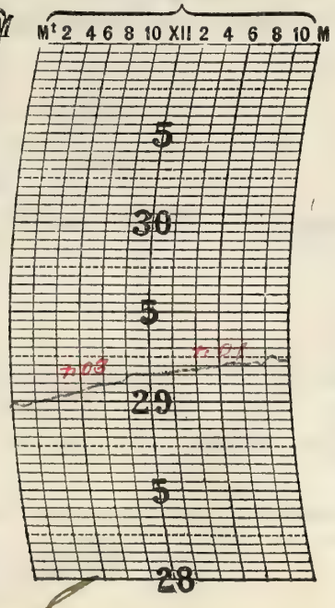
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 45.0 Wet temperature, 44.0
Dew-point, 43 R. humidity, 93 V. pressure, 277
Clouds: Amount, 10; Kind, Ast; Direction, NW
Velocity of clouds (miles per hour)

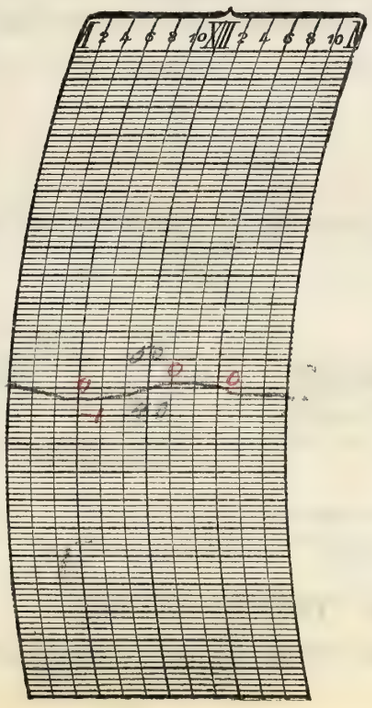
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by C. J. S.
Verified by F. M. Donough

8—486

## NOTES.

A cloudy and dreary day with moderate temperature.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) DEC 10 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 42 | 42 | 41 | 40 | 40 | 41 | 41 | 41 | 42 | 43 | 44 | 45 | 46 | 46 | 46 | 45 | 44 | 42 | 41 | 39 | 37 | 36 | 35 | 35 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | RB 8:39 | RE 9:03 | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | T | T | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | Cloudy | | | | Cloudy | | | | | | | | | | | |

Sunrise: Time 6:55, Character Cloudy. Moonrise: 9:10a Cloudy.

Sunset: Time 4:43, Character Cloudy. Moonset: 2:23p Cloudy.

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.2 | 0.1 | 0.4 | 0.2 | 0 | | | | | | | |
| Wind direction | E | NE | NE | NE | NE | E | NE | NE | NE | NE | NE | N | NW | NW | NW | NW | NW | NW | NW | NW | NW | N | NW | NW |
| Wind movement | 7 | 10 | 12 | 10 | 7 | 7 | 6 | 6 | 6 | 6 | 5 | 5 | 9 | 11 | 10 | 11 | 11 | 10 | 15 | 14 | 14 | 9 | 9 | 6 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

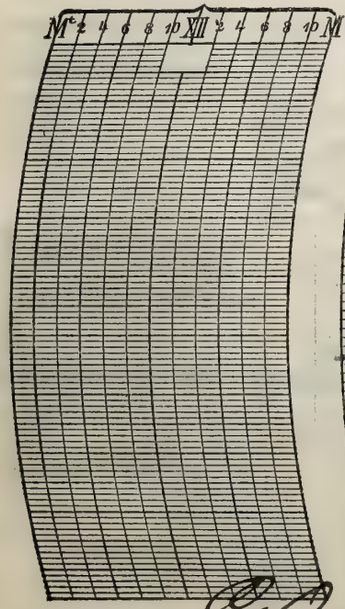
Excessive precipitation, accumulated amounts

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 47 | 35 | 41 | |

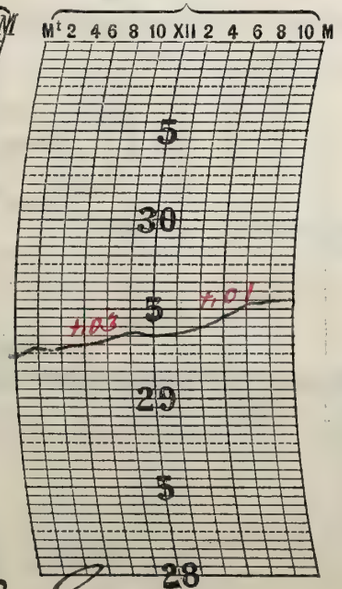
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0–10), 9
Actual sunshine, hours, 1.3 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 14
Prevailing wind direction, NW. Total wind 215
Average hourly velocity, 9.0 Extreme velocity, 19
Maximum velocity, 17 Direction, NW.
Time began, 6:17 p.m.
Reduced barometer, 30.31 7 a. m. 30.45 7 p. m.
River gage, 5.1 Feet
Relative humidity, 94 7 a. m. 92 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 44.9 Wet temperature, 43.0
Dew-point, 41 R. humidity, 87 V. pressure, 256
Clouds: Amount, 9; Kind, St; Direction, NW.
Velocity of clouds (miles per hour)

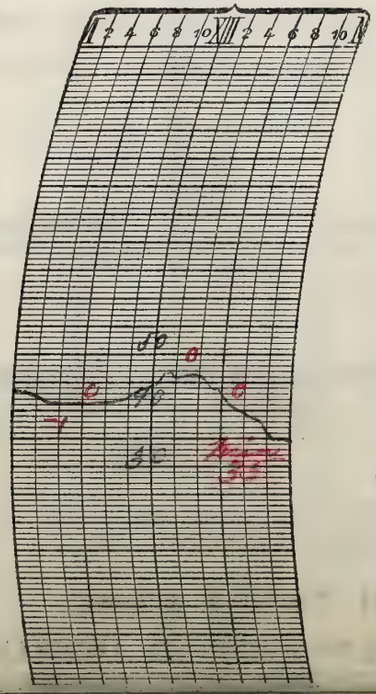
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by C. A. S.
Verified by P. McDonough

NOTES.

A cloudy day with moderate temperature which started decreasing toward nightfall

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) DEC 11 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 32 | 32 | 31 | 30 | 30 | 29 | 29 | 32 | 34 | 39 | 40 | 41 | 44 | 45 | 44 | 42 | 40 | 39 | 38 | 35 | 34 | 34 | 33 | 33 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← Clear | | | | | | Clear → | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | .07 0 | 1.0 0 | 0.4 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.1 0.9 | 0 | | | | | | | |
| Wind direction | NW | NW | NW | NW | NW | NW | NW | SW | W | SW | SW | W | W | W | W | SW | SW | SW | SW | SW | SW | SW | SW | SW |
| Wind movement | 6 | 6 | 5 | 5 | 4 | 3 | 4 | 5 | 3 | 6 | 8 | 8 | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 8 | 6 | 6 | 6 | 4 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6.15.6 Character, Clear
Moonrise: 9:55a Clear
Sunset: Time, 4.43 Character, Cloudy
Moonset: 8:28p Clear

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

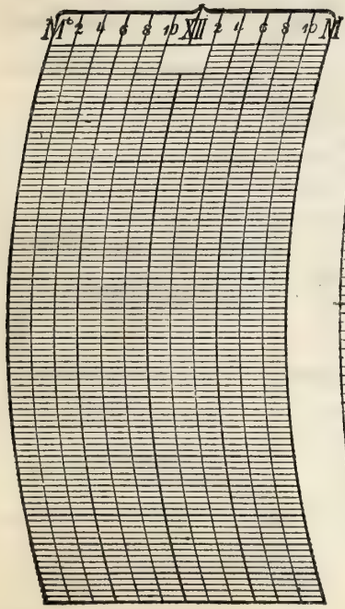
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 45 | 28 | 36 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 9.1 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 98
Prevailing wind direction, SW Total wind 146
Average hourly velocity, 6.1 Extreme velocity, 10
Maximum velocity, 10 Direction, SW
Time began, 6.44 a.m.
Reduced barometer 30.57 7 a. m. 30.42 2 p. m.
River gage, 4.9 Clear
Relative humidity, 90 7 a. m. 71 7 p. m.

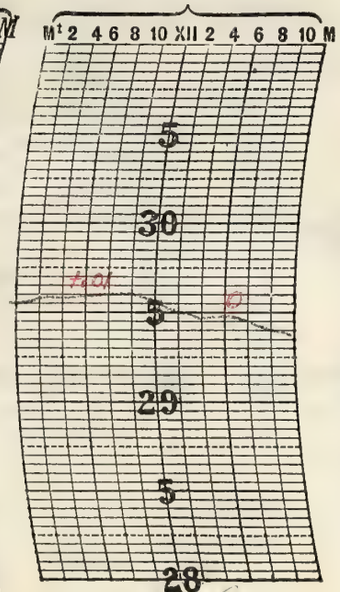
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 41.0 Wet temperature, 34.0
Dew-point, 23 R. humidity, 47 V. pressure, 11.8
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

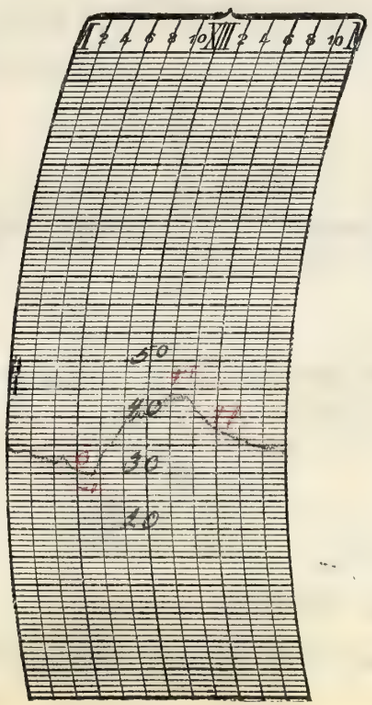
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



NOTES.

A clear day with moderately low temperatures in the morning which increased during the day and an abundance of sunshine.

Prepared by
Verified by T. M. Donoughe

8—486

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) DEC 12 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 32 | 33 | 32 | 32 | 32 | 33 | 33 | 36 | 38 | 40 | 42 | 43 | 44 | 45 | 46 | 47 | 47 | 50 | 51 | 53 | 54 | 55 | 54 | 55 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | RB 12:41 | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | T | .03 | .04 | .04 | .14 | .08 | .04 | .13 | .08 | .02 | .02 | .05 |
| Cloudiness and other conditions | | | | | | | PM Cldy | | | | | Cloudy | | | | | Cloudy | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | SW | SW | S | S | S | S | S | S | S | S | S | S | S | S | S | S | SW | S | S | S | S | SW | SW | SW |
| Wind movement | 8 | 6 | 8 | 9 | 7 | 8 | 8 | 8 | 10 | 10 | 11 | 12 | 14 | 11 | 13 | 16 | 15 | 12 | 18 | 23 | 25 | 28 | 24 | 21 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | 31 SW 9:00 | | |

Sunrise: Time, 6:57 Character, Cloudy
Moonrise: 10:41a Cloudy
Sunset: Time, 4:13 Character, Cloudy
Moonset: 9:32p Cloudy

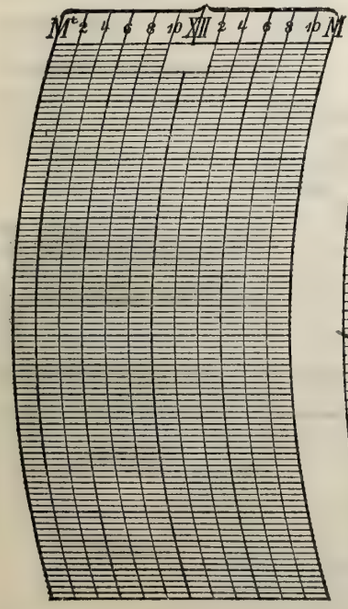
| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

| | Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature |
|---|---|---|---|---|
| | 55 | 32 | 44 | |

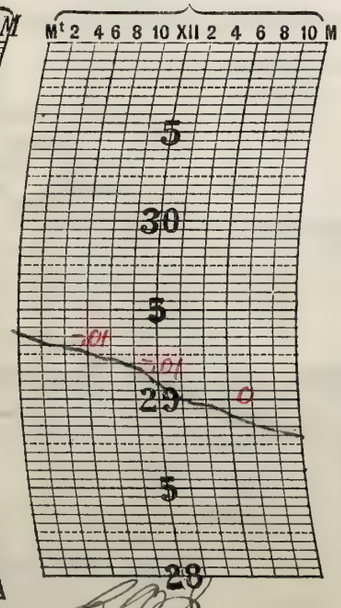
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .35 ins.
Total precipitation, midnight to midnight, .67 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0.3 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 3
Prevailing wind direction, S. Total wind 332.5
Average hourly velocity, 13.5 Extreme velocity, 33
Maximum velocity, 31 Direction, SW
Time began, 9:00pm
Reduced barometer, 30.16 7 a. m. 29.85 7 p. m.
River gage, 4.3 Feet
Relative humidity, 85 7 a. m. 94 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 43.7 Wet temperature, 39.0
Dew-point, 33 R. humidity, 66 V. pressure, .187
Clouds: Amount, 10; Kind, ACu.; Direction, W.
Velocity of clouds (miles per hour)

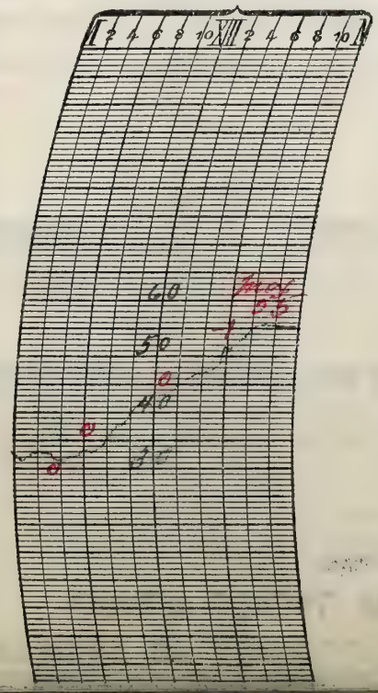
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by
Verified by P. McDonough

## NOTES.

A cloudy day with light rain falling for the afternoon and night. Also slowly rising temperature. Chicago ordered 2 pm Special (75 mT).

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) DEC 13 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 36 | 47 | 45 | 41 | 37 | 34 | 33 | 32 | 31 | 30 | 29 | 29 | 28 | 28 | 28 | 27 | 26 | 27 | 27 | 26 | 25 | 25 | 25 | 25 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | RE DNA & mB DNA | | | | | SnE 8:42 | | | | | | | | | SnE 5:30 | | | SnE 8:12 | | | |
| Amounts of precipitation | .16 | .08 | .10 | .02 | .05 | .07 | .04 | — | — | | | | | | | | | — | — | — | — | | | |
| Cloudiness and other conditions | | | | | | | ← Cloudy | | | | | | | | × | Pt. Cloudy | | | × Cloudy | | | | | → |
| Sunrise: Time, 6:08 Character, Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: 11:44 a Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, 4:13 Character, Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Moonset: 10:34 p Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.7 | 0.3 | 0 | | | | | | | |
| Wind direction | SW | SW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | W | W | W | W |
| Wind movement | 16 | 18 | 20 | 14 | 17 | 19 | 17 | 13 | 14 | 17 | 20 | 20 | 19 | 17 | 19 | 19 | 15 | 14 | 15 | 16 | 11 | 10 | 9 | 10 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

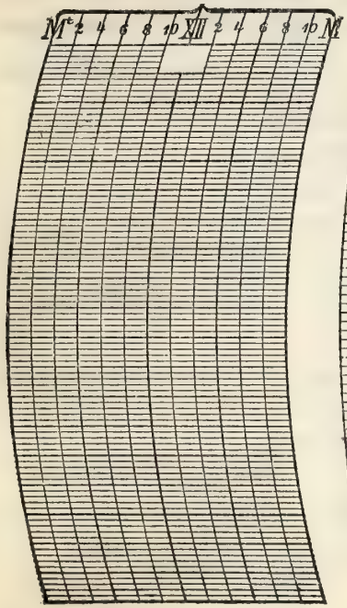
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 36 | 25 | 40 | |

Total depth of snow for 24 hours ending 7 p. m., 0.6 inches.
Snow, sleet, and hail on ground 7 p. m., 0.1 inches.
Total snowfall, midnight to midnight, 0.6 inches.
Precipitation to 7 a. m., .88 ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, .17 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 1.4 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 15
Prevailing wind direction, NW. Total wind 370
Average hourly velocity, 15.8 Extreme velocity, 28
Maximum velocity, 25 Direction, NW.
Time began, 2:53 p.m.
Reduced barometer, 29.82 7 a. m. 30.30 7 p. m.
River gage, 8.6 Feet.
Relative humidity, 100 7 a. m. 84 7 p. m.

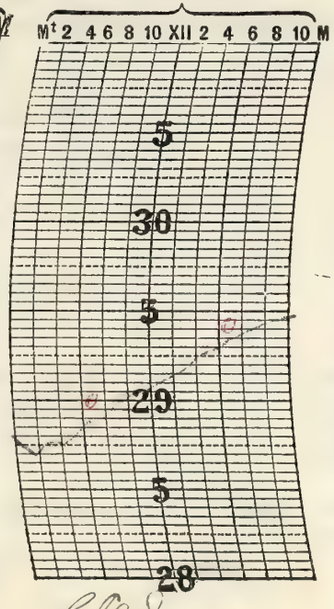
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 29.6 Wet temperature, 28.4
Dew-point, 26 R. humidity, 87 V. pressure, 136
Clouds: Amount, 9; Kind, Sfcu; Direction, NW
Velocity of clouds (miles per hour)

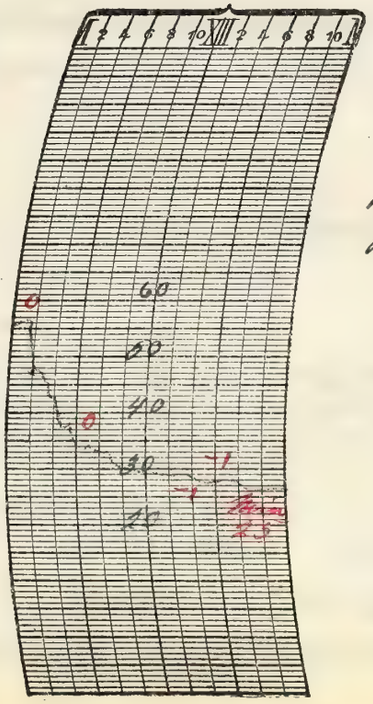
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by C.D.S.
Verified by P. McDonough

8—486

## NOTES.

Snowfall 7:00 a.m. — 0.5
Snow on ground 7:00 a.m. — 0.3
Rain bucket removed from gage at 7:00 a.m. and the gage further removed melters at 11:45 a.m.
A cloudy day with decreasing temperature

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) DEC 14 1923, 192

Time (local standard). 90th mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 24 | 23 | 22 | 22 | 22 | 22 | 21 | 24 | 27 | 29 | 31 | 33 | 34 | 35 | 35 | 34 | 31 | 30 | 30 | 29 | 28 | 28 | 27 | 27 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← Clear | | | | | | ← Clear | | | | | | | | | | | → |
| Sunrise: Time, Character, 6:38 Clear. Moonrise: 11:49a Clear | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:43 Clear. Moonset: 11:34p | | | |
| Sunshine (in tenths of hours) | | | | | | | .03 0 | 1.0 0 | 0.3 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.3 0.7 | .22 0 | | | | | | | |
| Wind direction | W | W | W | W | W | W | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | S | S | S | S | S | S | S |
| Wind movement | 9 | 9 | 7 | 5 | 7 | 6 | 6 | 7 | 7 | 9 | 11 | 13 | 12 | 13 | 11 | 12 | 10 | 10 | 10 | 11 | 14 | 14 | 15 | 11 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 35 | 21 | 28 | |

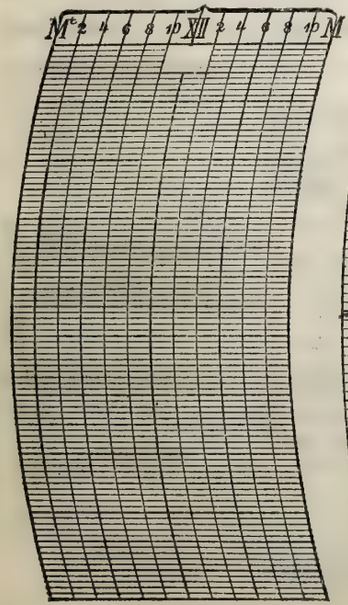
Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, F.Q.-8:38p.
Average daily cloudiness (0-10), Few
Actual sunshine, hours, 9.2 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 100
Prevailing wind direction, SW Total wind 239
Average hourly velocity, 10.0 Extreme velocity, 19
Maximum velocity, 19 Direction, SW
Time began, 12:29 p.m.
Reduced barometer, 30.59 7 a. m. 30.67 7 p. m.
River gage, 14.5 Feet.
Relative humidity, 86 7 a. m. 78 7 p. m.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

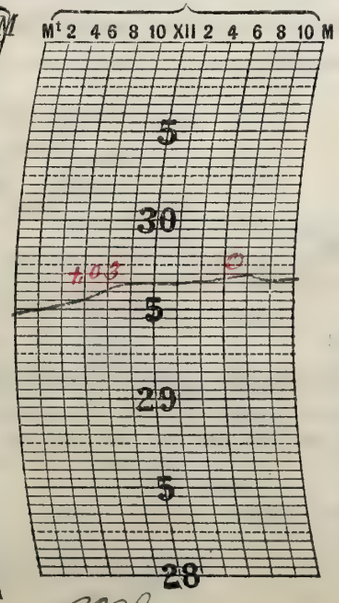
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 31.8 Wet temperature, 32.0
Dew-point, 18 R. humidity, 52 V. pressure, .093
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

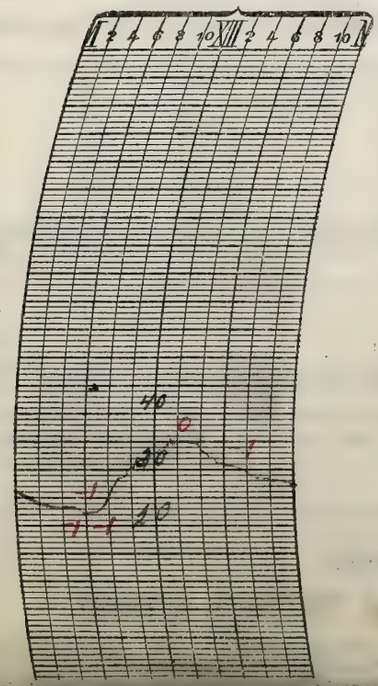
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by CCS
Verified by P. McDonough

NOTES.

A clear and cold day, very invigorating

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) DEC 15 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 26 | 25 | 25 | 25 | 25 | 25 | 24 | 24 | 26 | 30 | 32 | 36 | 36 | 36 | 36 | 36 | 35 | 34 | 34 | 33 | 32 | 31 | 30 | 30 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Pt Cldy | | Cloudy | | | | Cloudy | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0.5 | 0.6 | 1.0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | S | S | S | S | S | S | S | S | S | S | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW |
| Wind movement | 10 | 9 | 11 | 11 | 13 | 12 | 11 | 12 | 13 | 16 | 16 | 16 | 17 | 13 | 13 | 14 | 14 | 14 | 16 | 13 | 12 | 11 | 12 | 12 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:15 Character, Cloudy
Moonrise: 12:18p Cloudy

Sunset: Time, 4:14 Character, Cloudy
Moonset: —

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

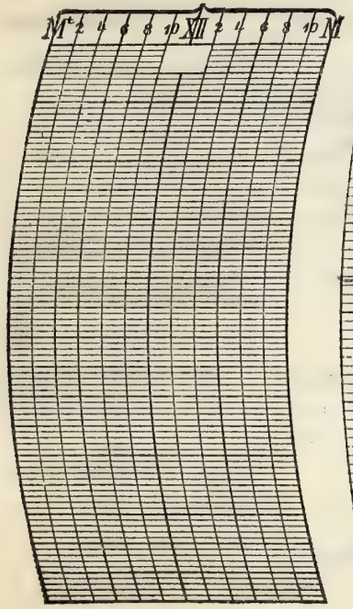
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 37 | 24 | 30 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy. Moon phase, —
Average daily cloudiness (0–10), 9
Actual sunshine, hours, 2.1 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 23
Prevailing wind direction, SW Total wind 310
Average hourly velocity, 12.9 Extreme velocity, 22
Maximum velocity, 22 Direction, S
Time began, 3:56 pm.
Reduced barometer, 30.66 7 a. m. 30.46 7 p. m.
River gage, 14.5 Feet.
Relative humidity, 80 7 a. m. 80 7 p. m.

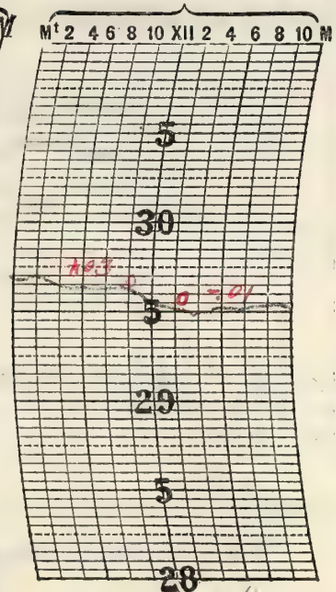
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 34.0 Wet temperature, 28.0
Dew-point, 16 R. humidity, 44 V. pressure, 085
Clouds: Amount, 9; Kind, AST; Direction, NW
Velocity of clouds (miles per hour)

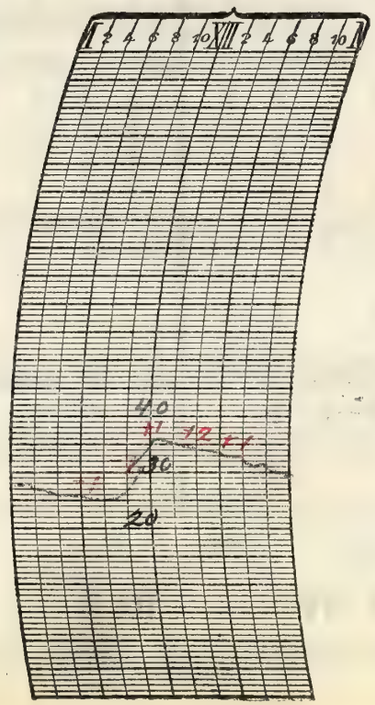
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by C W S

Verified by C. M. Donough

8—486

## NOTES.

Special 4:00 p.m. (75th Meridian Time) observation called for by the Chicago Office

A cloudy and rather cool day.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) DEC 16 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 29 | 29 | 28 | 28 | 28 | 28 | 28 | 31 | 35 | 40 | 45 | 47 | 49 | 50 | 49 | 47 | 44 | 43 | 41 | 40 | 39 | 38 | 38 | 37 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | ← Clear | | | | | | | Clear | | | | | | | | | → |
| Sunrise: Time, 7:00 Character, Clear. Moonrise: 12:47p Clear | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 4:14 Character, Clear. Moonset: 12:32a | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0.90 0.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .23 0 | | | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | W | W | W | W | W | W | W | W | W | W | W | W |
| Wind movement | 14 | 12 | 14 | 14 | 15 | 15 | 14 | 13 | 18 | 16 | 15 | 15 | 13 | 14 | 14 | 9 | 8 | 9 | 7 | 7 | 7 | 9 | 8 | 6 |
| Maximum velocities (exceeding 22 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

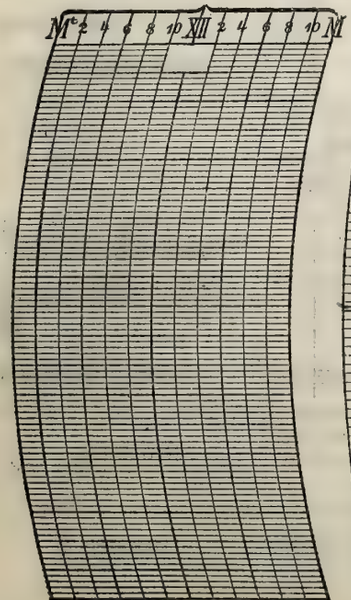
| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 50 | 28 | 39 | |

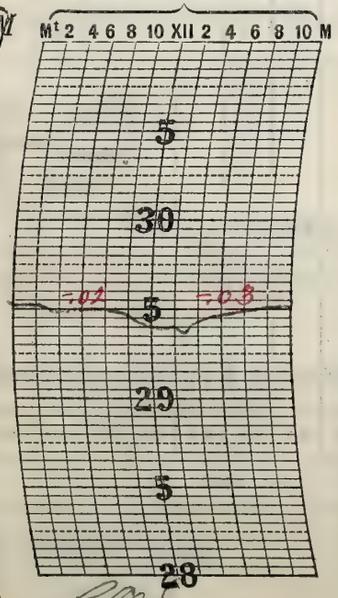
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 9.2 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 100
Prevailing wind direction, SW. & W. Total wind 286
Average hourly velocity, 11.9 Extreme velocity, 20
Maximum velocity, 19 Direction, SW.
Time began, 8:48 a.m.
Reduced barometer, 30.44 7 a. m. 30.40 7 p. m.
River gage, 11.3 Feet.
Relative humidity, 72 7 a. m. 69 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 42.0 Wet temperature, 39.3
Dew-point, 29 R. humidity, 49 V. pressure, .157
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

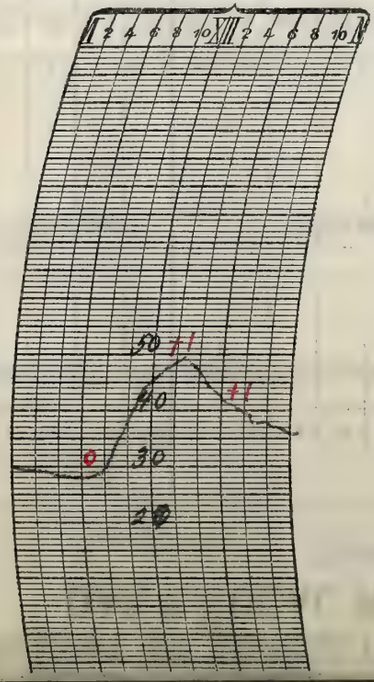
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by CMS

Verified by C. M. Donnelly

NOTES.

A clear day with moderate temperature

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) DEC 17 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 35 | 35 | 34 | 34 | 32 | 32 | 33 | 35 | 37 | 38 | 40 | 43 | 45 | 44 | 43 | 42 | 40 | 39 | 38 | 37 | 35 | 35 | 35 | 33 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | Pt Cloudy | × | Clear | | | × | Pt Cloudy | × | Clear | × | Pt Cloudy | × | Pt Cloudy | × | Clear | × | |
| Sunrise: Time, Character, | 7:01 Cloudy | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: | 1:15p Clear | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, Character, | | | | | | | | | | | | | | | | | | | | | 4:14 Cloudy | | | |
| Moonset: | | | | | | | | | | | | | | | | | | | | | 1:30a | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.1 | 0 | | | | | | | |
| Wind direction | W | W | NW | N | E | NE | NE | NE | NE | SE | E | E | SW | SW | S | SE | E | E | SE | E | SE | SE | S | SE |
| Wind movement | 6 | 5 | 5 | 5 | 4 | 4 | 4 | 3 | 3 | 4 | 5 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 | 5 | 5 | 6 | 6 | 4 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

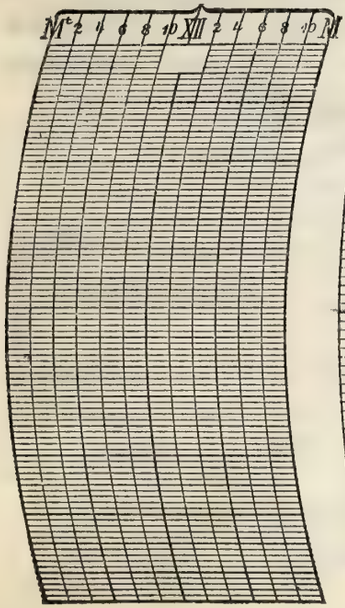
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 45 | 31 | 38 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 6.9 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 75
Prevailing wind direction, E. & SE. Total wind 101
Average hourly velocity, 4.2 Extreme velocity, 9
Maximum velocity, 9 Direction, SE
Time began, 10:14 p.m.
Reduced barometer, 30.49 7 a. m. 30.45 7 p. m.
River gage, 8.9 Feet
Relative humidity, 28 7 a. m. 77 7 p. m.

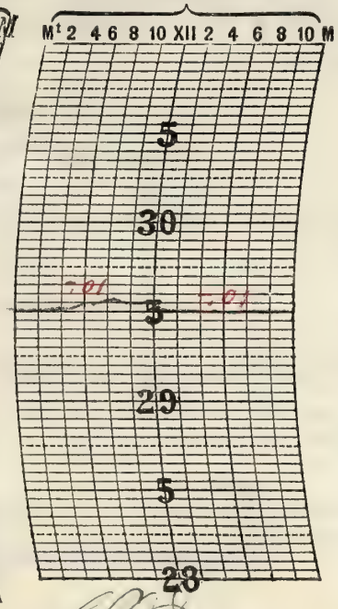
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 40.0 Wet temperature, 35.0
Dew-point, 28 R. humidity, 61 V. pressure, 1.30
Clouds: Amount, 2; Kind, AST; Direction, NW
Velocity of clouds (miles per hour)

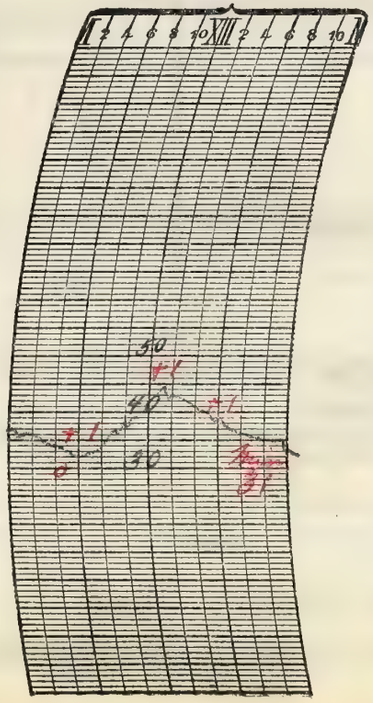
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by

Verified by P. McDonough

8—486

NOTES.

A frosty cloudy and moderately cold day.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) DEC 14 1922, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 30 | 30 | 30 | 31 | 31 | 32 | 32 | 32 | 36 | 42 | 46 | 48 | 49 | 50 | 51 | 49 | 47 | 46 | 45 | 43 | 41 | 40 | 39 | 39 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | ← Clear | | | | | | | → Clear | | | | | | | | | |
| Sunrise: Time, Character, 7:01 Cloudy. Moonrise: 1:40p Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:45 Cloudy. Moonset: 2:22a | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.6 | 0 | | | | | | | |
| Wind direction | SE | E | SE | SE | SE | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | SW | SW |
| Wind movement | 2 | 4 | 3 | 3 | 3 | 4 | 4 | 3 | 8 | 9 | 9 | 10 | 9 | 9 | 9 | 7 | 6 | 5 | 5 | 4 | 6 | 6 | 11 | 8 |
| Maximum velocities (exceeding 22 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

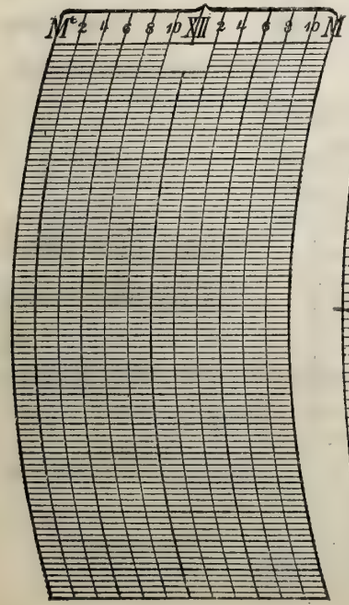
Excessive precipitation, accumulated amounts

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 51 | 30 | 40 | |

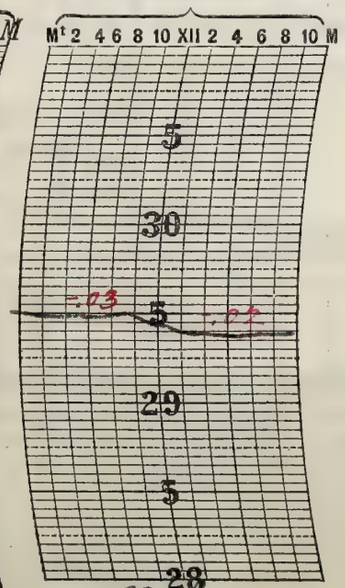
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 7.1 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 77
Prevailing wind direction, S Total wind 146
Average hourly velocity, 6.1 Extreme velocity, 13
Maximum velocity, 13 Direction, S
Time began, 8:55a.m.
Reduced barometer, 30.41 7 a. m. 30.31 7 p. m.
River gage, 7.7 Feet
Relative humidity, 79 7 a. m. 62 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 46.9 Wet temperature, 39.4
Dew-point, 30 R. humidity, 50 V. pressure, 1.64
Clouds: Amount, 2; Kind, C.St.; Direction, NW.
Velocity of clouds (miles per hour)

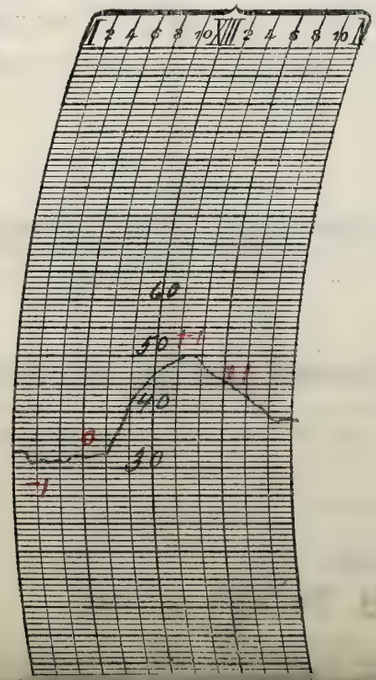
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by

Verified by T. McDonough

NOTES.

A clear day with moderate temperature

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) DEC 19 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 39 | 38 | 36 | 36 | 37 | 39 | 40 | 42 | 44 | 46 | 48 | 49 | 52 | 51 RB 1:53 | 52 AE 2:10 | 50 | 49 | 48 RB 5:55 | 48 AE 6:15 | 48 RB 7:50 | 46 | 46 | 47 | 48 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | T | T | | | T | T | — | — | — | — | — |
| Cloudiness and other conditions | | | | | | | | ← Cloudy | | | | | → Cloudy | | | | | | | | | | | |
| Sunrise: Time, Character, 7:02 Cloudy. Moonrise: 2:17p Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:15 Cloudy. Moonset: 3:23a | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0.4 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | S | S | S | SW | SW | SW | SW | SW | S | S | SW | SW | SW | SW | S | S | S | S | S | S | S | S | S | S |
| Wind movement | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 10 | 10 | 10 | 9 | 9 | 9 | 8 | 8 | 10 | 10 | 10 | 9 | 9 | 10 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

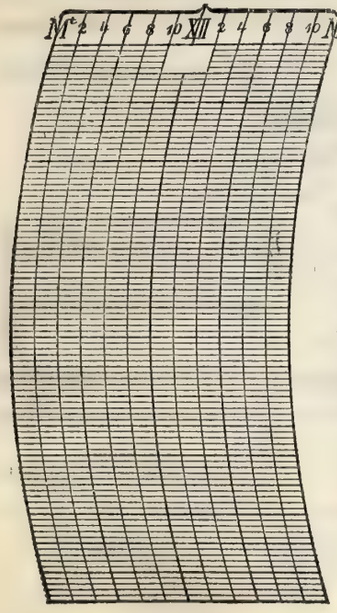
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 52 | 36 | 44 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 10
Actual sunshine, hours, 0.4 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 4
Prevailing wind direction, S. Total wind 214
Average hourly velocity, 8.9 Extreme velocity, 12
Maximum velocity, 12 Direction, S
Time began, 11:44 p.m.,
Reduced barometer, 30.31 7 a. m. 30.22 7 p. m.
River gage, 6.2 Feet.
Relative humidity, 63 7 a. m. 93 7 p. m.

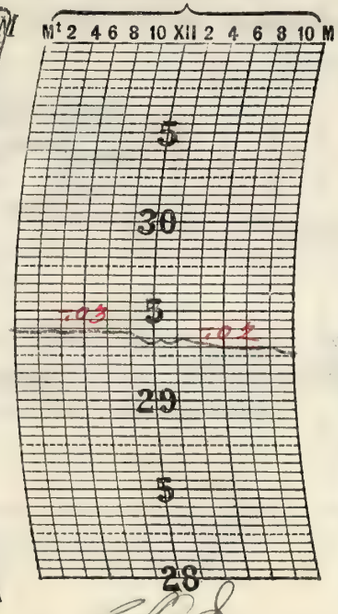
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 49.0 Wet temperature, 44.0
Dew-point, 39 R. humidity, 67 V. pressure, .237
Clouds: Amount, 9; Kind, AST; Direction, NW
Velocity of clouds (miles per hour)

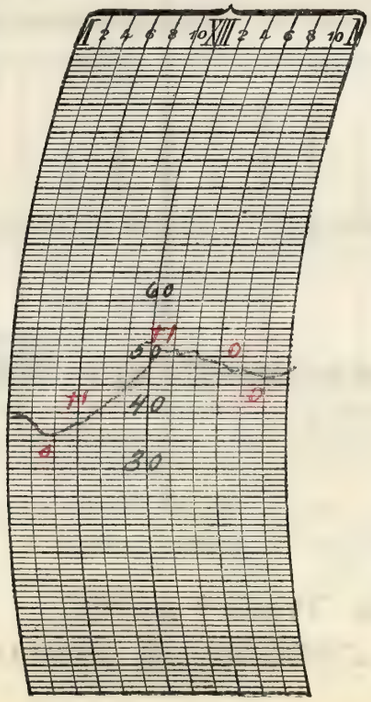
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by L. C. S.
Verified by P. McDonough

8—486

# NOTES.

Estimated precipitation.

A cloudy day with mild temperature.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Dodge, Iowa, (Day of week) Thursday, (Date) Dec 30 1909, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 48 | 48 | 49 | 49 | 50 | 50 | 50 | 51 | 52 RE 8:30 | 53 RB 9:41 | 53 | 54 | 54 RE 12:25 | 54 | 54 | 53 | 53 | 53 | 52 | 52 RB 2:00 | 52 | 51 | 51 RE 11:00 | 51 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | — | — | — | — | — | — | — | — | — | — | — | — | — | | | | | | | — | — | — | — | |
| Cloudiness and other conditions | | | | | | | | ← Cloudy | | | | | | | Cloudy | | | | | | | | | → |
| Sunrise: Time, Character, | 7.02 Cloudy | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: | 1:52 P Cloudy | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, Character, | | | | | | | | | | | | | | | | | | | | 4:15 Cloudy | | | | |
| Moonset: | | | | | | | | | | | | | | | | | | | | 4:18 a | | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | S | S | S | S | S | S | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | W | W |
| Wind movement | 12 | 12 | 10 | 10 | 9 | 9 | 8 | 10 | 9 | 10 | 9 | 10 | 10 | 9 | 10 | 9 | 8 | 7 | 7 | 5 | 4 | 3 | 3 | 2 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

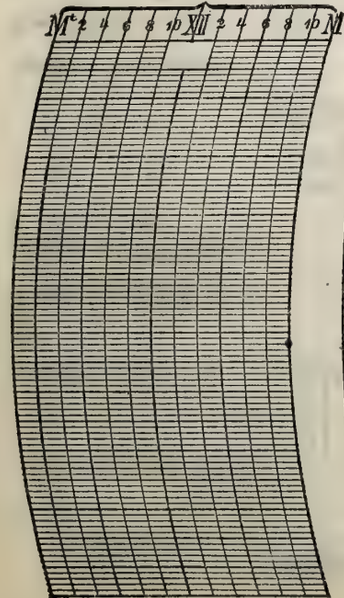
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 54 | 48 | 51 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .31 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .21 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 0
Prevailing wind direction, SW Total wind 195
Average hourly velocity, 8.1 Extreme velocity, 14
Maximum velocity, 14 Direction, S
Time began, 1:16 a.m.
Reduced barometer, 30.16 7 a. m. 30.52 7 p. m.
River gage, 6.4 Feet.
Relative humidity, 100 7 a. m. 100 7 p. m.

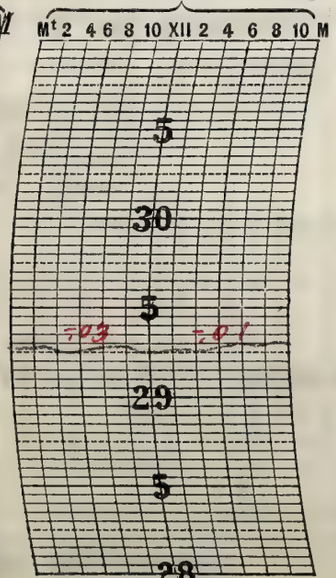
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 53.2 Wet temperature, 52.8
Dew-point, 52 R. humidity, 98 V. pressure, .387
Clouds: Amount, 10; Kind, Nb; Direction, SW
Velocity of clouds (miles per hour)

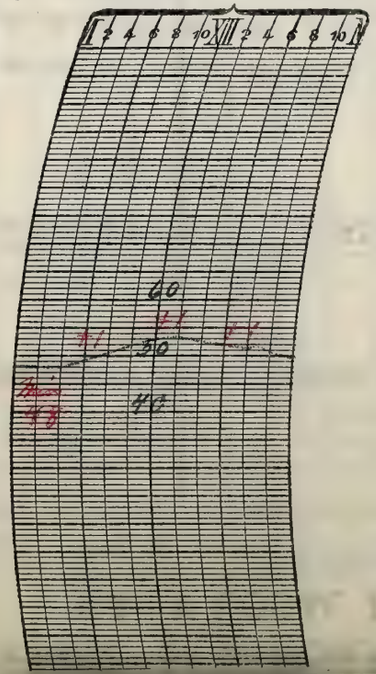
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by

Verified by C. M. Donnock

## NOTES.

Estimated precipitation.
A cloudy, damp, and smoggy day with light flurrying snow falling during the early part of the morning hours. Temperature continued mild.
Light fog began 7:30 p.m.
Light fog thick - continued.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) DEC 21 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 50 | 49 | 48 | 48 | 48 | 47 | 47 | 47 | 48 | 48 | 49 | 49 | 49 | 49 | 49 | 49 | 48 | 48 | 47 | 46 | 46 | 45 | 45 | 44 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | HB 3:40 | | | | | | HE 9:40 | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Foggy | | | | | Cloudy | | | | Cloudy | | | | | | | | |
| | Sunrise: Time, 7:03 Character, Foggy. Moonrise: 3:30 p Cloudy | | | | | | | | | | | | | | | | | | | | Sunset: Time, 4:16 Character, Cloudy. Moonset: 5:14 a | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | W | NW | NE | NE | NE | NE | NE | E | E | E | E | E | E | E | E | E | NE | NE | NE | E | E | NE | E | NE |
| Wind movement | 2 | 5 | 5 | 6 | 5 | 6 | 6 | 5 | 6 | 7 | 6 | 5 | 6 | 6 | 7 | 7 | 8 | 9 | 10 | 11 | 11 | 11 | 11 | 12 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

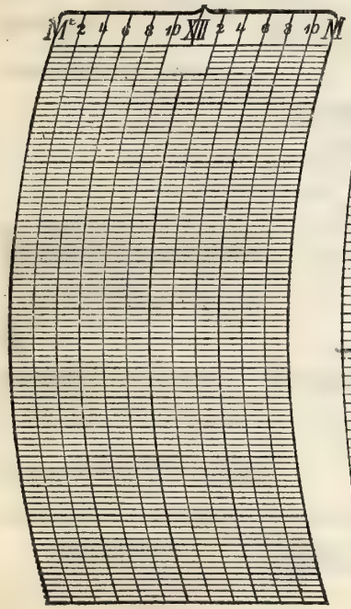
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 57 | 44 | 48 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .01 ins.; to 7 p. m., .10 ins.
Total precipitation, midnight to midnight, .23 inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 0
Prevailing wind direction, E. Total wind 173
Average hourly velocity, 7.2 Extreme velocity, 16
Maximum velocity, 14 Direction, E
Time began, 2:02 p.m.
Reduced barometer, 30.24 7 a. m. 30.15 7 p. m.
River gage, 8.5 Feet.
Relative humidity, 100 7 a. m. 96 7 p. m.

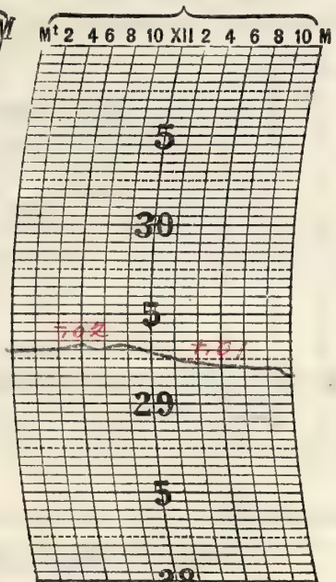
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 49.0 Wet temperature, 48.6
Dew-point, 48 R. humidity, 97 V. pressure, .334
Clouds: Amount, 10; Kind, Fog; Direction, NE
Velocity of clouds (miles per hour)

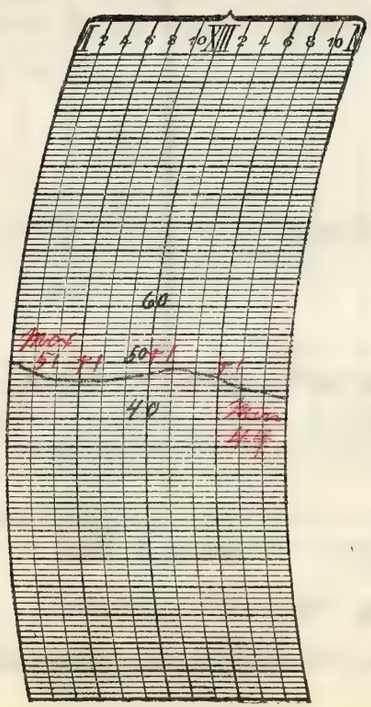
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by
Verified by P. McDonough

8—486

## NOTES.

Light fog began - continued
Light fog ended - DNA
Dense fog began - DNA,
Dense fog ended - 10:00 a.m.
Light fog began - 10:00 a.m.
The range of visibility during the period of dense fog was about 600 feet.
Light fog ended - 4:50 p.m.
A cloudy and gloomy day with mild temperatures. Light rain commenced falling about the middle of the forenoon and continued until the middle of the early night.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) OCT 22 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 43 | 44 | 44 | 44 | 43 | 43 | | 43 | 43 | 44 | 45 | 45 | 45 | 45 | 44 | 43 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 40 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | RB 2:05 | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | Cloudy | | | | | M | | Cloudy | | | | | | | | | |
| Sunrise: Time, Character, | 7:03 Cloudy | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, | 4:16 Cloudy | | |
| Moonrise: | 4:30 Cloudy | | | | | | | | | | | | | | | | | | | | Moonset: | 6:08 Cloudy | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | E | E | E | E | E | E | E | NE | NE | E | E | E | E | E | E | E | E |
| Wind movement | 11 | 11 | 10 | 10 | 13 | 12 | 9 | 11 | 10 | 11 | 11 | 10 | 9 | 10 | 10 | 12 | 13 | 12 | 11 | 9 | 9 | 9 | 8 | 8 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

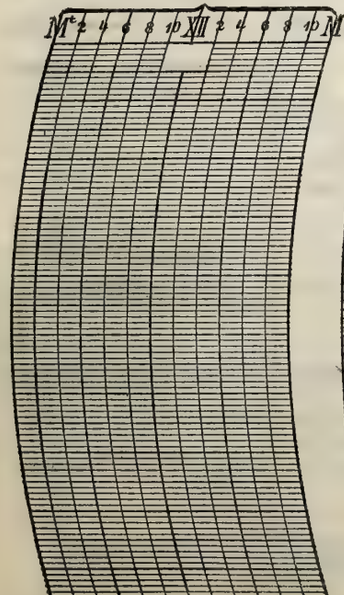
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 45 | 40 | 42 - | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .13 ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, .12 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 0
Prevailing wind direction, E Total wind 249
Average hourly velocity, 10.4 Extreme velocity, 18
Maximum velocity, 16 Direction, E
Time began, 4:15 p. m.
Reduced barometer, 30.12 7 a. m. 29.907 p. m.
River gage, 16.3 Feet.
Relative humidity, 94 7 a. m. 96 7 p. m.

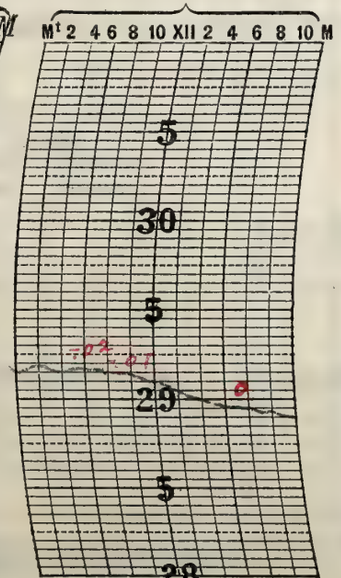
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 44.8 Wet temperature, 42.9
Dew-point, 41 R. humidity, 86 V. pressure, 256
Clouds: Amount, 10; Kind, St; Direction, NE
Velocity of clouds (miles per hour)

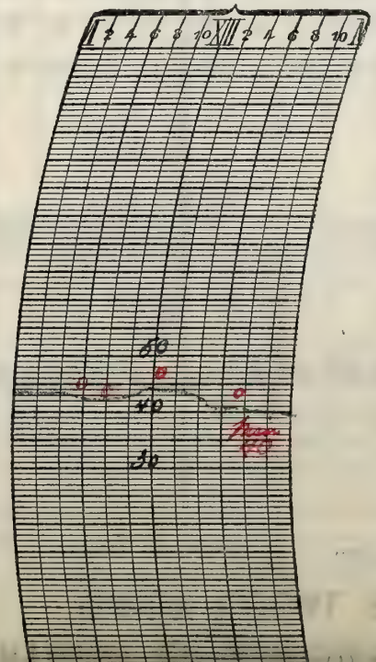
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



Prepared by

Verified by P. McDonough

NOTES.

6 Estimated precip.

A Cloudy and Gloomy day with mild temperature

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) DEC 23 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 40 | 40 | 40 | 40 | 40 | 40 | 39 | 35 | 35 | 36 | 37 | 38 | 38 | 38 | 38 | 37 | 35 | 35 | 34 | 34 | 33 | 32 | 32 | 31 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | RE 7:24 SnE 7:24 | SnE 8:20 | | | | | SnE 1:25 | SnE 2:05 RB 2:08 | | | RE 5:26 | | | | | | |
| Amounts of precipitation | — | — | — | — | — | — | — | — | — | | | | | — | — | — | — | — | | | | | | |
| Cloudiness and other conditions | | | | | | | | ← Cloudy | | | | | | | Cloudy | | | | | | | | | → |

Sunrise: Time, 7:04 Character, Cloudy
Moonrise: 5:01 P Cloudy
Sunset: Time, 4:17 Character, Cloudy
Moonset: 7:00a Cloudy

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | NE | E | E | NE | NE | NE | N | N | N | NW | N | N | N | N | N | N | N | N | N | N | N | N | N | N |
| Wind movement | 6 | 8 | 7 | 4 | 4 | 3 | 3 | 8 | 4 | 8 | 9 | 9 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 7 | 6 | 6 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

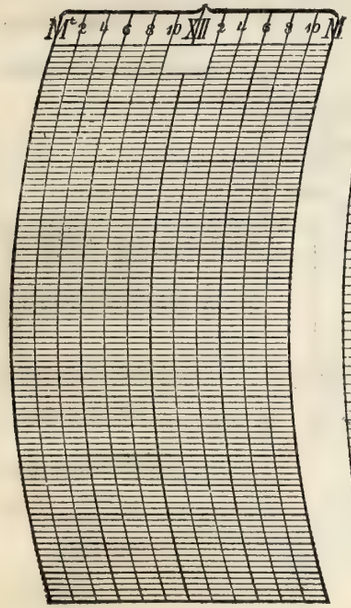
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 40 | 31 | 36 | |

Total depth of snow for 24 hours ending 7 p. m., 0.1 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0.1 inches.
Precipitation to 7 a. m., .32 ins.; to 7 p. m., .06 ins.
Total precipitation, midnight to midnight, .27 inches.
Character of day, Cloudy Moon phase, Full - 1:33 am
Average daily cloudiness (0–10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 0
Prevailing wind direction, N Total wind, 126
Average hourly velocity, 7.3 Extreme velocity, 12
Maximum velocity, 12 Direction, N
Time began, 2:46 p m
Reduced barometer, 29.75 7 a. m. 30.00 7 p. m.
River gage, 10.7 Feet.
Relative humidity, 100 7 a. m. 93 7 p. m.

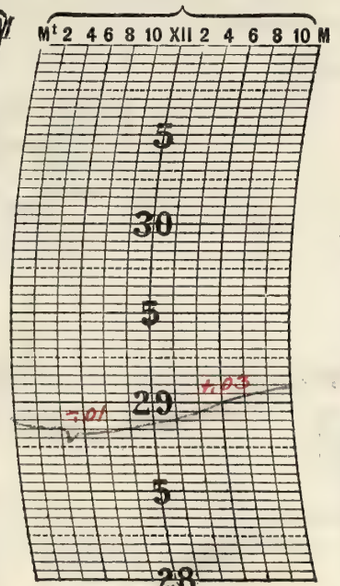
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 36.8 Wet temperature, 36.2
Dew-point, 36 R. humidity, 94 V. pressure, 211
Clouds: Amount, 10; Kind, St; Direction, N
Velocity of clouds (miles per hour)

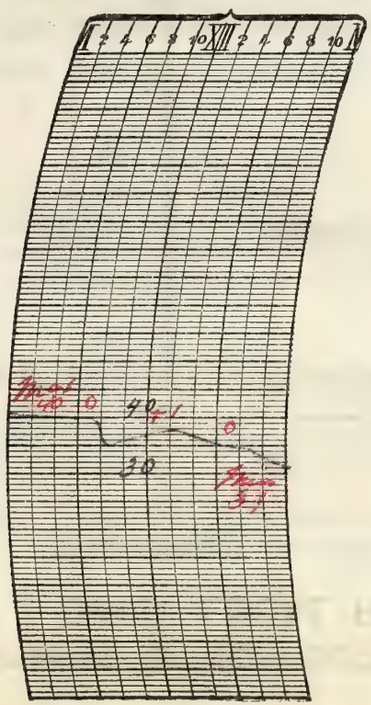
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by

Verified by P. McDonough.

8—486

## NOTES.

The most snow which occurred today, melted as it fell.

A dreary day with intermittent light precipitation and slowly falling temperature.

Danger point of 22° reading was observed during the late night.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) DEC 24 1922, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 29 | 29 | 28 | 28 | 27 | 27 | 27 | 27 | 31 | 33 | 36 | 38 | 39 | 40 | 39 | 36 | 32 | 32 | 32 | 32 | 32 | 32 | 34 | 35 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← | Clear | | | | | | | Clear | | | | × | P. Cloudy | | | | → |
| Sunrise: Time, Character, | 7:04 Clear | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, | | | 4:18 Cloudy |
| Moonrise: | 3:53p Cloudy | | | | | | | | | | | | | | | | | | | | Moonset: | | | 7:48a Clear |
| Sunshine (in tenths of hours) | | | | | | | | .93 0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 0 | | | | | | | |
| Wind direction | N | N | N | N | N | N | W | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW |
| Wind movement | 4 | 4 | 5 | 5 | 4 | 4 | 5 | 6 | 5 | 9 | 10 | 12 | 15 | 16 | 13 | 12 | 13 | 12 | 11 | 12 | 12 | 14 | 13 | 15 |
| Maximum velocities (exceeding 12 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

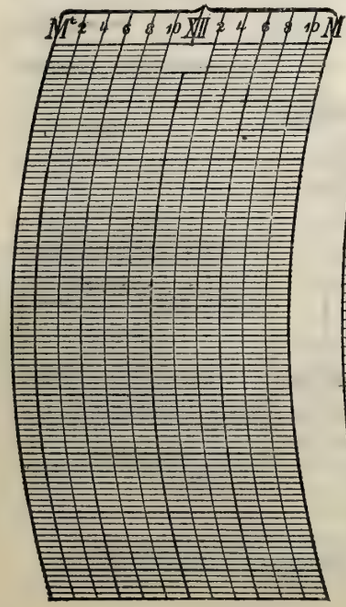
| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 40 | 26 | 33 | |

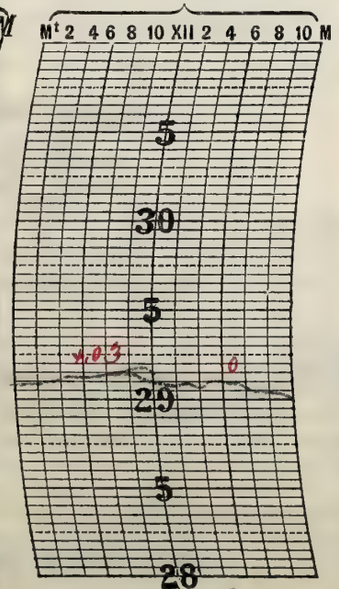
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0–10),
Actual sunshine, hours, 8.8 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 96
Prevailing wind direction, SW Total wind 233
Average hourly velocity, 9.6 Extreme velocity, 23
Maximum velocity, 21 Direction, SW
Time began, 12:15 p m.
Reduced barometer, 30.11 7 a. m. 30.04 7 p. m.
River gage, 12.0 Feet
Relative humidity, 88 7 a. m. 72 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 38.0 Wet temperature, 31.1
Dew-point, 19 R. humidity, 44 V. pressure, .098
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

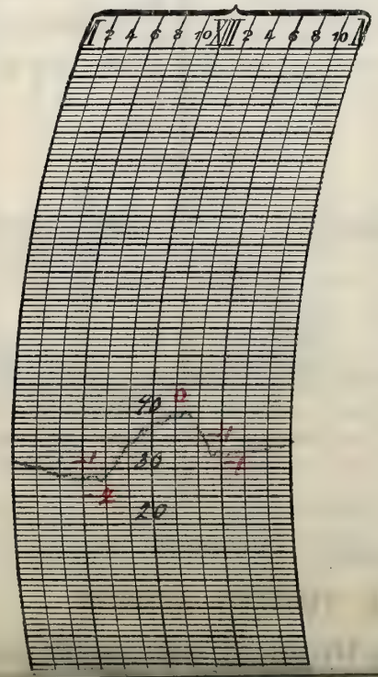
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




NOTES.

a clear and moderately cool day.

Prepared by Ellis

Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) DEC 25 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 36 | 35 | 35 | 34 | 34 | 33 | 33 | 33 | 33 | 35 | 37 | 39 | 38 | 38 | 37 | 36 | 35 | 35 | 34 | 34 | 33 | 33 | 33 | 32 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | SnE DNA | | | | | SnE 8:24 | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | — | — | — | — | — | — | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | Cloudy | × | Cldy | × | | Clear | | | | | | | | | | | |
| Sunrise: Time, Character, 7:05 Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: 6:50p Clear | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, Character, 4:18 Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Moonset: 8:34a Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0 | 0 | 0.9 | 1.0 | 1.0 | 1.0 | 0.6 | 0 | 0 | | | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W |
| Wind movement | 14 | 15 | 12 | 11 | 9 | 12 | 13 | 13 | 12 | 16 | 18 | 18 | 22 | 23 | 19 | 23 | 19 | 19 | 16 | 16 | 13 | 10 | 8 | 5 |
| Maximum velocities (exceeding 22 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

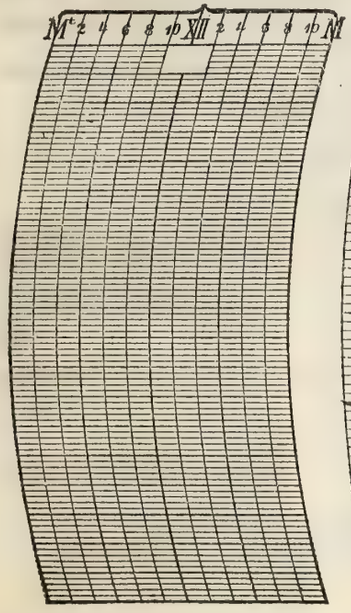
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 39 | 32 | 36 | |

Total depth of snow for 24 hours ending 7 p. m., 0.8 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0.8 inches.
Precipitation to 7 a. m., .08 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .08 inches.
Character of day Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 4.5 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 49
Prevailing wind direction, W Total wind 336
Average hourly velocity, 14.8 Extreme velocity, 32
Maximum velocity, 29 Direction, W
Time began, 12:36 p.m.
Reduced barometer, 29.76 7 a. m. 30.00 7 p. m.
River gage, 10.9 Feet.
Relative humidity, 98 7 a. m. 72 7 p. m.

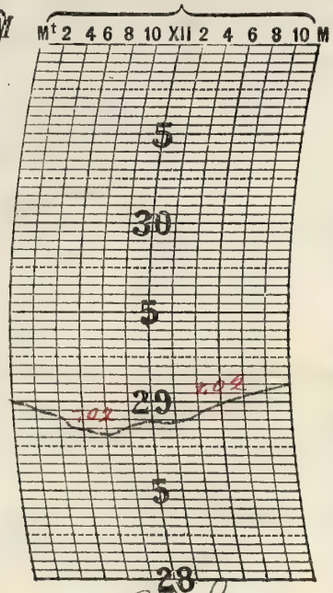
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 37.2 Wet temperature, 34.8
Dew-point, 31 R. humidity, 80 V. pressure, 172
Clouds: Amount, 2; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

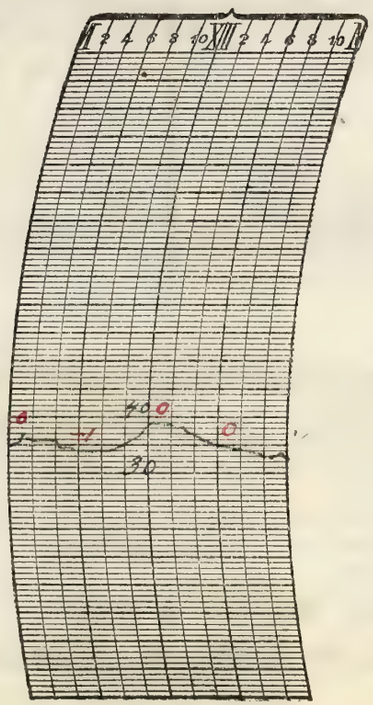
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by C. B.

Verified by C. McDonough

8—486

NOTES.

A partly cloudy day which opened with light rain. Snow later falling through it disappeared soon after the sun came forth.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) DEC 26 1923, 192

Time (local standard) 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 30 | 30 | 30 | 30 | 29 | 30 | 30 | 31 | 33 | 34 | 38 | 42 | 43 | 45 | 44 | 42 | 41 | 40 | 40 | 39 | 38 | 36 | 36 | 36 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | ← Cloudy | | | | | | | Cloudy | | | | | | | | | |
| Sunrise: Time, Character | 7:05 Cloudy | | | | | | | | | | | | | | | | | | | | Sunset: 4:19 Cloudy | | | |
| Moonrise: | 7:15 P Cloudy | | | | | | | | | | | | | | | | | | | | Moonset: 9:15a Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0 | 0.6 | 0.4 | 1.0 | 1.0 | 1.0 | 0.3 | 0 | 0 | | | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | S | S | S | S | SE | SE | SE | SE | SE | SE | SE | SE | SE |
| Wind movement | 8 | 9 | 7 | 7 | 8 | 7 | 6 | 7 | 6 | 9 | 8 | 8 | 10 | 10 | 8 | 6 | 5 | 5 | 4 | 6 | 8 | 11 | 8 | 6 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

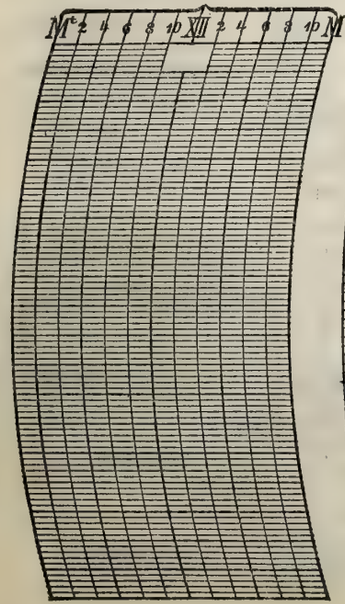
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 46 | 29 | 38 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 8
Actual sunshine, hours, 4.3 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 47
Prevailing wind direction, SW Total wind 177
Average hourly velocity, 7.4 Extreme velocity, 12
Maximum velocity, 12 Direction, SW
Time began, 1:00 a.m.
Reduced barometer, 30.14 7 a. m. 30.01 7 p. m.
River gage, 9.5 Feet
Relative humidity, 90 7 a. m. 72 7 p. m.

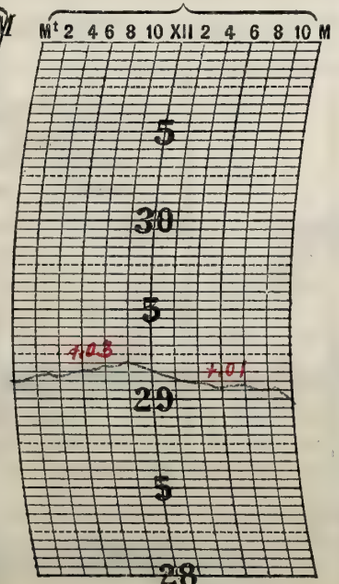
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 42.0 Wet temperature, 38.5
Dew-point, 34 R. humidity, 73 V. pressure, 1.195
Clouds: Amount, 7; Kind, ASt; Direction, NW
Velocity of clouds (miles per hour)

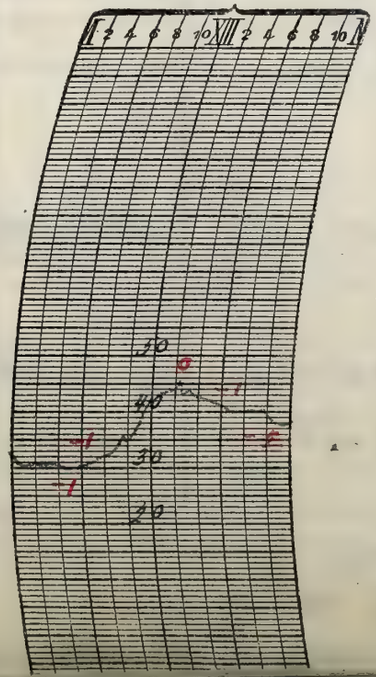
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by

Verified by P. McDonough.

NOTES.

* Estimated precipitation.

A cloudy day with mild temperatures.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) DEC 27 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 36 | 36 | 36 | 37 | 38 | 38 | 39 RE 6.28 | 39 | 41 | 43 | 44 RB 10125 | 46 | 48 | 49 | 51 | 53 | 54 | 55 | 55 | 53 | 50 | 45 RE 9.01 | 43 | 41 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | — | — | — | — | — | — | — | | | | — | — | — | — | — | — | — | — | — | — | — | — | | |
| Cloudiness and other conditions | | | | | | | ← Cloudy | | | | | | | | | Cloudy | | | | | | | | → |
| Sunrise: Time, Character, 7:05 Cloudy; Moonrise: 8:53 p Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:19 Cloudy; Moonset: 9:53 a Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | S | S | S | S | SW | SW | SW | W | W | W | W | W | W |
| Wind movement | 7 | 5 | 5 | 5 | 5 | 5 | 6 | 4 | 5 | 8 | 6 | 7 | 8 | 8 | 8 | 11 | 12 | 12 | 10 | 14 | 15 | 22 30 S 9:24 | 21 | 25 32 W 11:44 |
| Maximum velocities (exceeding 22 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

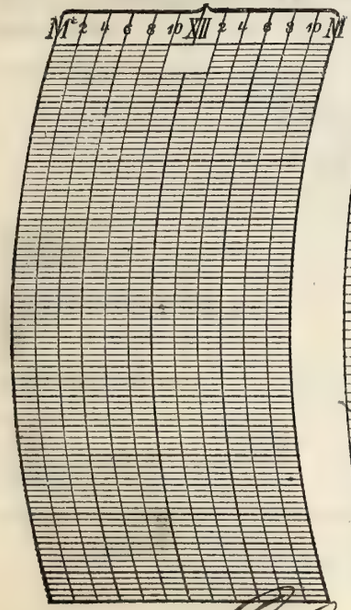
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 55 | 36 | 46 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .02 ins.; to 7 p. m., .19 ins.
Total precipitation, midnight to midnight, .20 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 0
Prevailing wind direction, SE Total wind, 234
Average hourly velocity, 9.8 Extreme velocity, 32
Maximum velocity, 32 Direction, W
Time began, 11:44 pm
Reduced barometer, 29.75 7 a. m. 29.40 7 p. m.
River gage, 8.7 Feet
Relative humidity, 100 7 a. m. 94 7 p. m.

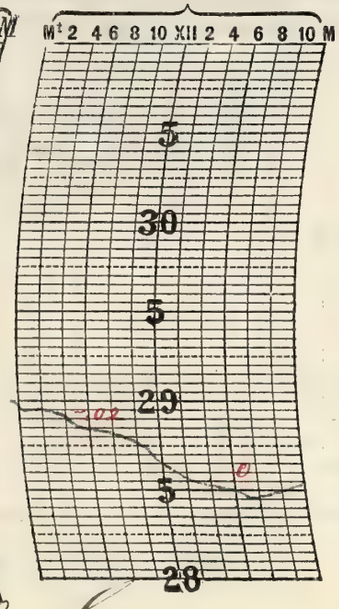
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 44.7 Wet temperature, 44.4
Dew-point, 44 R. humidity, 98 V. pressure, 28.7
Clouds: Amount, 10; Kind, Nb; Direction, S
Velocity of clouds (miles per hour)

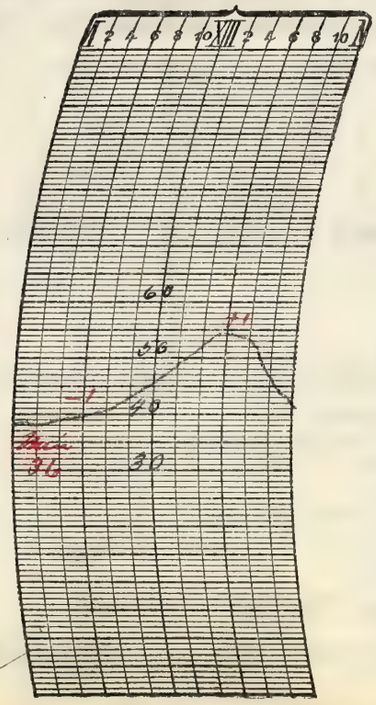
THERMOGRAPH.




BAROGRAPH.




THERMOGRAPH.




Prepared by U. S.
Verified by P. McDonough

8—486

NOTES.

9 Estimated precipitation

Light fog began — 2 A.M.
Light fog ended — 7:24 a.m.
Dense fog began — 7:24 a.m.
Dense fog ended 9:50 a.m.
Light fog began — 9:50 a.m.
Light fog ended —
The visibility during the time of the dense fog reduced a maximum distance of 100 yards.
A Cloudy day with mild temperatures and a fine drizzling rain falling during most of the time

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) DEC 28 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | 38 | 33 | 31 | 30 | 28 | 27 | 27 | 27 | 27 | 27 | 28 | 30 | 33 | 33 | 33 | 33 | 32 | 31 | 31 | 30 | 29 | 28 | 28 | 30 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | ← Cloudy | | | | | — | — | — | — | — | — | — | — | — | — | — | → |
| Sunrise: Time, 7:06a Character, Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: 9:57p Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, 4:20 Character, Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Moonset: 10:28a Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0 | 0 | 0 | 0.2 | 1.0 | 0.8 | 0.3 | 0 | 0 | | | | | | | |
| Wind direction | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | SW | SW | SW | SW | SW |
| Wind movement | 25 | 26 | 23 | 24 | 31 | 26 | 23 | 21 | 19 | 20 | 18 | 17 | 16 | 15 | 13 | 12 | 13 | 11 | 10 | 8 | 7 | 8 | 7 | 8 |
| Maximum velocities (exceeding 22 miles) direction and time | 30 W 12:01 | 31 W 1:02 | 30 W 2:35 | 32 W 3:27 | 34 W 4:23 | 32 W | | 34 W 7:27 | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

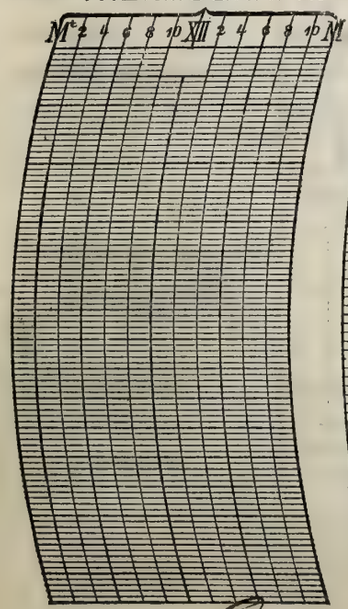
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 41 | 26 | 34 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 8
Actual sunshine, hours, 2.3 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 25
Prevailing wind direction, W Total wind 401
Average hourly velocity, 16.7 Extreme velocity, 34
Maximum velocity, 34 Direction, W
Time began, 4:23 a.m.,
Reduced barometer, 29.71 7 a. m. 29.76 7 p. m.
River gage, 9.3 Feet.
Relative humidity, 22 7 a. m. 24 7 p. m.

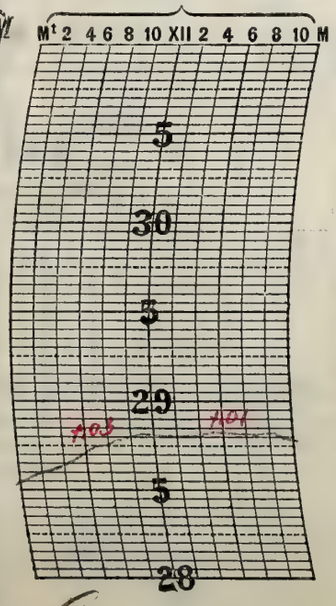
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 29.0 Wet temperature, 27.0
Dew-point, 24 R. humidity, 28 V. pressure, .124
Clouds: Amount, 8; Kind, StCu.; Direction, N.W.
Velocity of clouds (miles per hour)

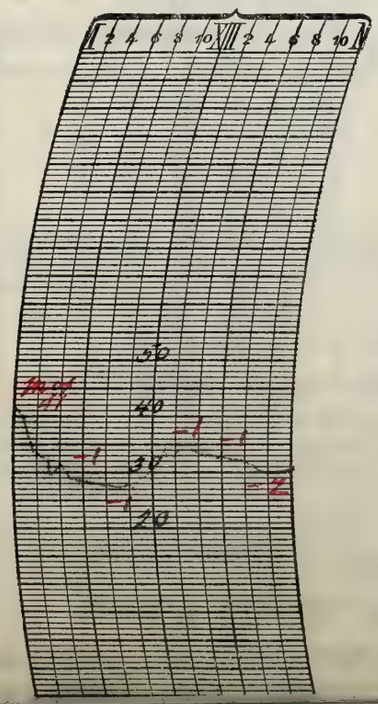
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by C. O. S.

Verified by J. McDonough

8—486

## NOTES.

A cloudy day with Temperatures near the normal.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JUL 29 1922, 192

Time (local standard). 90th mer. normal time.

| State of weather. | A. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 32 | 33 | 33 | 33 | 31 | 31 | 31 | 32 | 33 | 35 | 38 | 40 | 42 | 43 | 41 | 41 | 40 | 40 | 40 | 38 | 37 | 37 | 37 | 37 |
| Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | PtCldy | Cloudy | | | | | | Cloudy | | | | | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | W | NW | NW | NW | NW | E | E | E | E | E |
| Wind movement | 11 | 11 | 11 | 10 | 11 | 11 | 11 | 12 | 12 | 12 | 9 | 10 | 8 | 9 | 6 | 4 | 2 | 2 | 3 | 5 | 7 | 9 | 10 | 10 |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0 | 0.4 | 0.2 | 0.9 | 0.6 | 0.2 | 0 | 0 | 0 | | | | | | | |

Sunrise: Time, 7:06 Character, Cloudy
Moonrise: 11:03p
Sunset: Time, 4:21 Character, Cloudy
Moonset: 11:02a Cloudy

Maximum velocity, 15 Direction, SW

Maximum velocities (exceeding 29 miles) direction and time

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

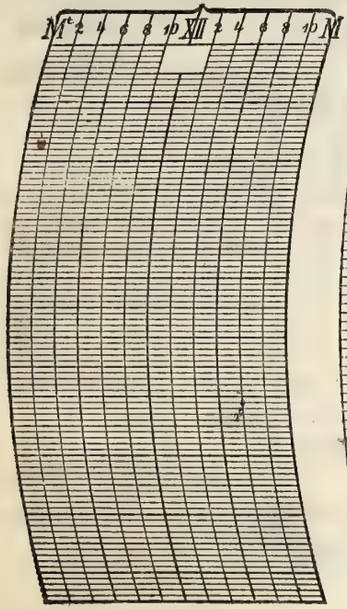
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 43 | 30 | 36 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 2.3 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 25
Prevailing wind direction, SW Total wind 206
Average hourly velocity, 8.6 Extreme velocity, 15
Maximum velocity, 15 Direction, SW
Time began, 8:20 a.m.,
Reduced barometer 29.26 7 a. m. 29.21 7 p. m.
River gage, 8.8 Feet.
Relative humidity, 84 7 a. m. 78 7 p. m.

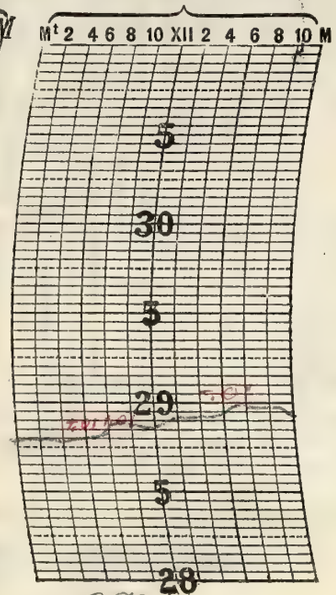
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 39.2 Wet temperature, 36.7
Dew-point, 33 R. humidity, 80 V. pressure, 18.7
Clouds: Amount, 9; Kind, Nst; Direction, NW
Velocity of clouds (miles per hour)

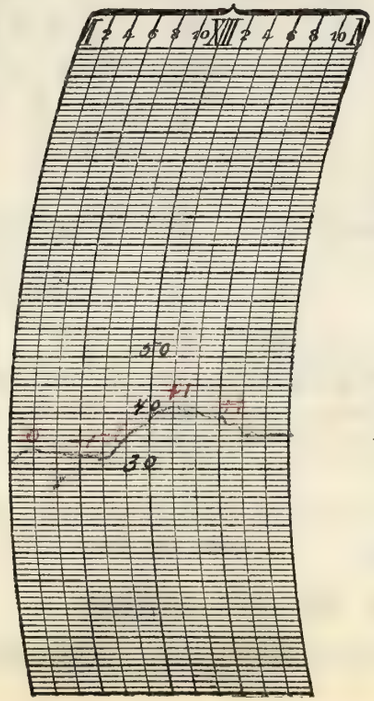
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by

Verified by C. McDonough

8—486

## NOTES.

A cloudy day with mild temperature.

Cold wave warning received at 12:10 pm; temperature to fall to 10° above zero or lower by Sunday night or Monday morning. The information was given to the press and telephoned to interested parties.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) [illegible], (Date) DEC 30 1922, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 36 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 36 | 36 | 37 | 38 | 38 | 37 | 37 | 37 | 37 | 36 | 36 | 36 | 36 | 35 | 35 | 35 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | RB 7:15 RE 8:00 | | | | | | | RB 2:26 | RE 3:33 | | | | | | | | |
| Amounts of precipitation | | | | | | | | — | | | | | | | — | — | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | ← Cloudy | | | | | | | Cloudy | | | | | | | → | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | E | E | E | E | E | E | E | E | E | E | E | E | NE | NE | E | E | E | E | E | E | E | E | E | E |
| Wind movement | 11 | 13 | 13 | 12 | 14 | 13 | 15 | 13 | 14 | 12 | 13 | 12 | 12 | 13 | 13 | 13 | 12 | 12 | 10 | 9 | 8 | 7 | 8 | 7 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 7:06 Character, Cloudy. Moonrise: — —

Sunset: Time, 4:22 Character, Cloudy. Moonset: 11:35a Cloudy

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

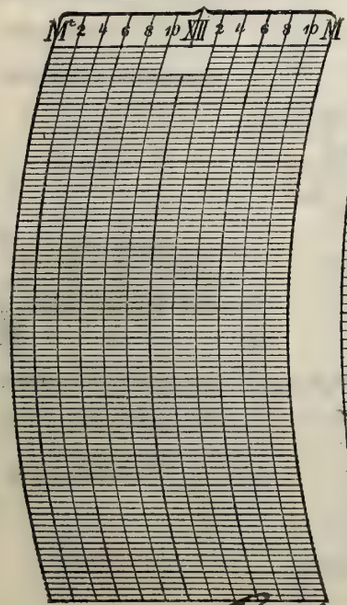
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 38 | 35 | 36 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase, LQ: 3:07 P
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 0
Prevailing wind direction, E Total wind, 279
Average hourly velocity, 11.6 Extreme velocity, 18
Maximum velocity, 18 Direction, E
Time began, 6:10 am
Reduced barometer, 29.24 7 a. m. 29.68 7 p. m.
River gage, 7.3 Feet.
Relative humidity, 91 7 a. m. 95 7 p. m.

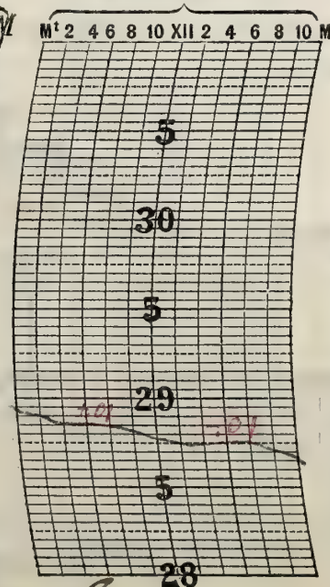
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 37.6 Wet temperature, 36.6
Dew-point, 36 R. humidity, 91 V. pressure, 211
Clouds: Amount, 10; Kind, St; Direction, E
Velocity of clouds (miles per hour)

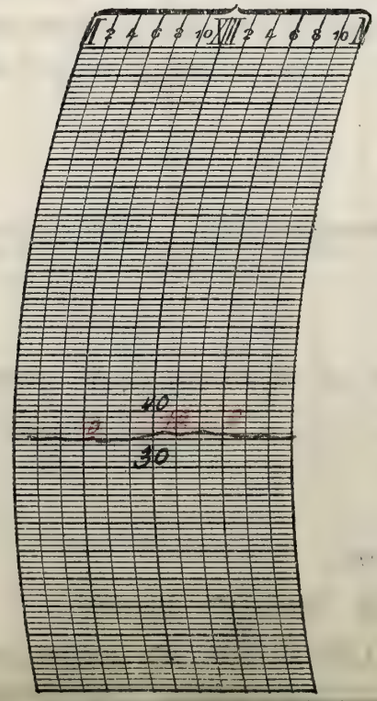
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Cold wave warning received at 10:15 am. The warning indicated the temperature would fall to 10° above zero or lower within next 24 to 36 hours. The information was disseminated in the usual way.

Prepared by C. S.
Verified by C. McDonough

8—486

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) DEC 31 1923, 192

Time (local standard). 90th mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 35 | 36 | 37 | 38 | 39 | 39 | 39 | 39 | 40 | 40 | 40 | 39 | 38 | 35 | 32 | 31 | 29 | 25 | 24 | 23 | 22 | 21 | 20 | 18 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | PAFEDNA | | | | | | | | | SnB 12:05 | | | SnE 3:15 | | SnB 5:10 SnE 5:50 | | SnB 7:56 | | | | |
| Amounts of precipitation | | | | | | | | | | | | | — | — | — | — | | — | | — | — | — | — | — |
| Cloudiness and other conditions | | | | | | | ← Cloudy | | | | | | | | | Cloudy | | | | | | | | → |
| Sunrise: Time, Character, 7:06 Cloudy. Moonrise: 12:09a | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:22 Cloudy. Moonset: 12:09p Cloudy | | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | ESE | S | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | W | W | W | W | W | W | W | W | W | W |
| Wind movement | 5 | 3 | 3 | 5 | 9 | 13 | 12 | 12 | 15 | 15 | 17 | 19 | 18 | 21 | 23 | 23 | 24 | 26 SW 5:35 | 23 | 25 W 9:47 | 24 | 21 | 20 | 18 |
| Maximum velocities (exceeding 29 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

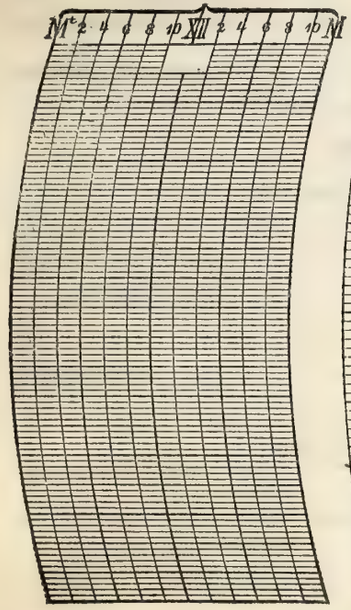
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 40 | 18 | 29 | |

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 0
Prevailing wind direction, SW Total wind 384
Average hourly velocity, 16.4 Extreme velocity, 34
Maximum velocity, 33 Direction, W
Time began, 6:33 pm.
Reduced barometer, 29.54 7 a. m. 29.78 7 p. m.
River gage, 6.2 feet.
Relative humidity, 96 7 a. m. 78 7 p. m.

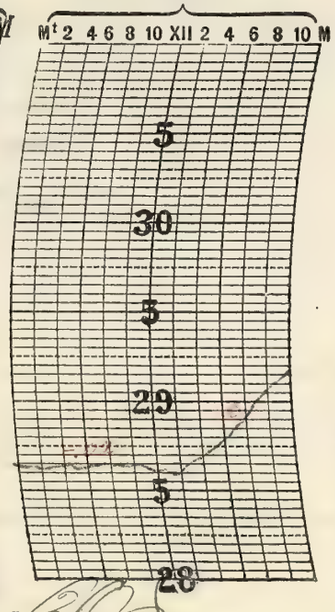
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 38.0 Wet temperature, 36.0
Dew-point, 33 R. humidity, 83 V. pressure, 187
Clouds: Amount, 10; Kind, StCu; Direction, SW
Velocity of clouds (miles per hour)

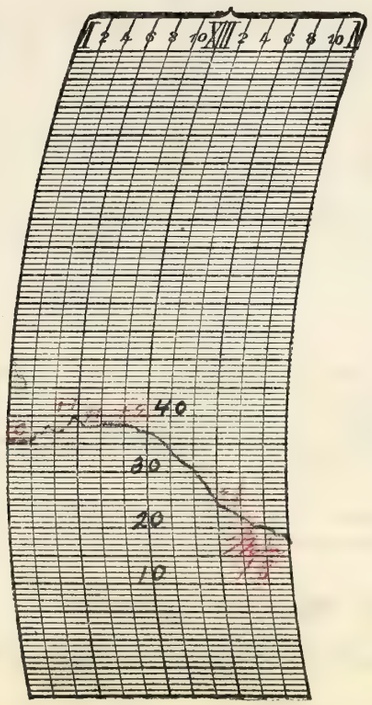
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.




Prepared by EOS

Verified by P. McDonough

8—486

## NOTES.

Cold wave warning received at 9:26 am. The advice indicates the temperature would fall to 5° or 10° above zero tonight. The information was given general dissemination.

A cloudy day with light precipitation at intervals and slowly falling temperature accompanied by strong westerly winds.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

*(Station)* _____, *(Day of week)* _____, *(Date)* _____, *192*

| Time (local standard). ____ mer. normal time. | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | | | | | | | | | | | | | | | | | | | | | | | | |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | | | | | | | | | | | | | | |
| | Sunrise: Time, Character, Moonrise: | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | | | | | | | | | | | | | | | | | | |
| Wind direction | | | | | | | | | | | | | | | | | | | | | | | | |
| Wind movement | | | | | | | | | | | | | | | | | | | | | | | | |
| Maximum velocities (exceeding ____ miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

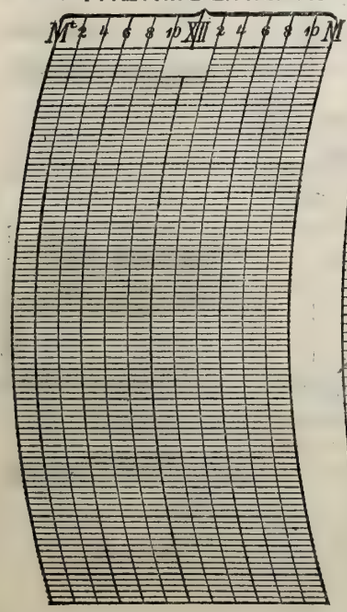
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| | | | |

Total depth of snow for 24 hours ending ____ p. m., ____ inches.
Snow, sleet, and hail on ground ____ p. m., ____ inches.
Total snowfall, midnight to midnight, ____ inches.
Precipitation to ____ a. m., ____ ins.; to ____ p. m., ____ ins.
Total precipitation, midnight to midnight, ____ inches.
Character of day, ____ Moon phase, ____
Average daily cloudiness (0–10), ____
Actual sunshine, hours, ____ Possible sunshine, hours, ____
Per cent of possible sunshine, ____
Prevailing wind direction, ____ Total wind ____
Average hourly velocity, ____ Extreme velocity, ____
Maximum velocity, ____ Direction, ____
Time began, ____ ____
Reduced barometer, ____ a. m. ____, p. m.
River gage, ____
Relative humidity, ____ a. m. ____ p. m.

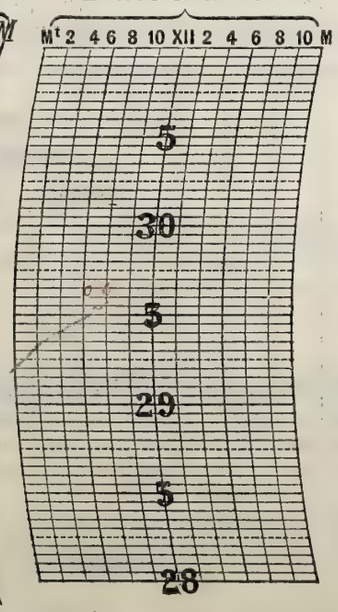
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, ____ Wet temperature, ____
Dew-point, ____ R. humidity, ____ V. pressure, ____
Clouds: Amount, ____; Kind, ____; Direction, ____
Velocity of clouds (miles per hour) ____

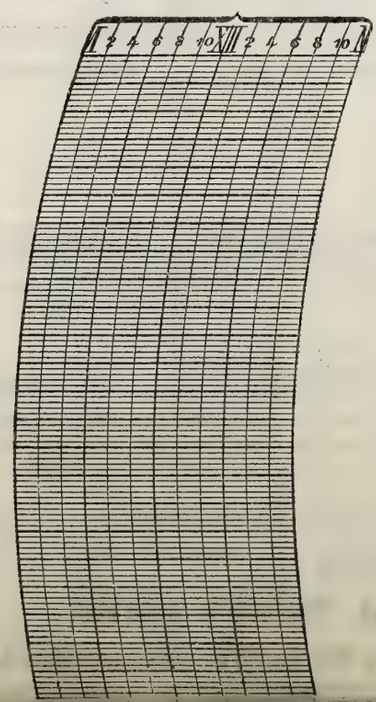
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



NOTES.

*Prepared by* _____

*Verified by* _____

8—436

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

*(Station)* _____, *(Day of week)* _____, *(Date)* _____, *192*

| Time (local standard). ____ mer. normal time. | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | | | | | | | | | | | | | | | | | | | | | | | | |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | | | | | | | | | | | | | | |
| | Sunrise: Time, Character, Moonrise: | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | | | | | | | | | | | | | | | | | | |
| Wind direction | | | | | | | | | | | | | | | | | | | | | | | | |
| Wind movement | | | | | | | | | | | | | | | | | | | | | | | | |
| Maximum velocities (exceeding ____ miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Excessive precipitation, accumulated amounts | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

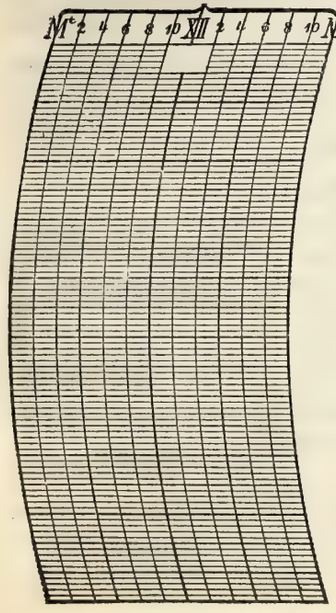
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| | | | |

Total depth of snow for 24 hours ending ____ p. m., ____ inches.
Snow, sleet, and hail on ground ____ p. m., ____ inches.
Total snowfall, midnight to midnight, ____ inches.
Precipitation to ____ a. m., ____ ins.; to ____ p. m., ____ ins.
Total precipitation, midnight to midnight, ____ inches.
Character of day, ____ Moon phase, ____
Average daily cloudiness (0–10), ____
Actual sunshine, hours, ____ Possible sunshine, hours, ____
Per cent of possible sunshine, ____
Prevailing wind direction, ____ Total wind ____
Average hourly velocity, ____ Extreme velocity, ____
Maximum velocity, ____ Direction, ____
Time began, ____
Reduced barometer, ____ a. m. ____, p. m.
River gage, ____
Relative humidity, ____ a. m. ____ p. m.

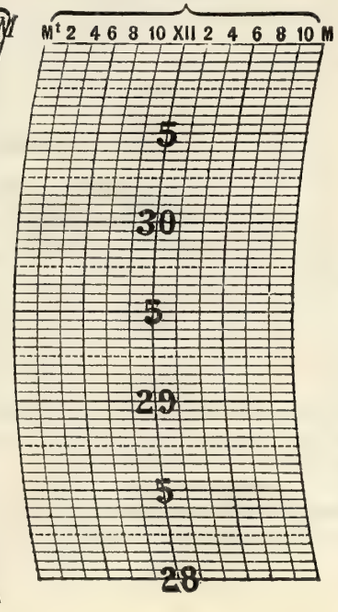
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, ____ Wet temperature, ____
Dew-point, ____ R. humidity, ____ V. pressure, ____
Clouds: Amount, ____; Kind, ____; Direction, ____
Velocity of clouds (miles per hour) ____

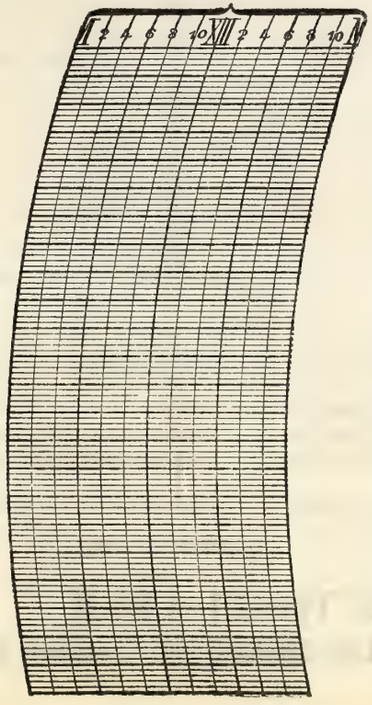
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



NOTES.

*Prepared by* _____

*Verified by* _____

8—486

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

*(Station)* _____, *(Day of week)* _____, *(Date)* _____, *192*

| Time (local standard)..... mer. normal time. | A. M. 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | P. M. 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | | | | | | | | | | | | | | | | | | | | | | | | |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| State of weather. Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| State of weather. Cloudiness and other conditions | | | | | | | | | | | | | | | | | | | | | | | | |
| | Sunrise: Time, Character, Moonrise: | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | | | | | | | | | | | | | | | | | | |
| Wind direction | | | | | | | | | | | | | | | | | | | | | | | | |
| Wind movement | | | | | | | | | | | | | | | | | | | | | | | | |
| Maximum velocities (exceeding ..... miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

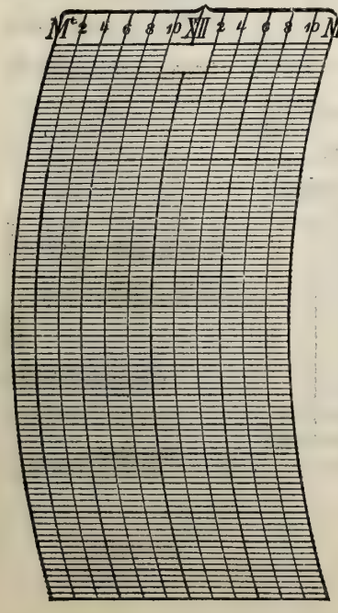
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| | | | |

Total depth of snow for 24 hours ending ____ p. m., ____ inches.
Snow, sleet, and hail on ground ____ p. m., ____ inches.
Total snowfall, midnight to midnight, ____ inches.
Precipitation to ____ a. m., ____ ins.; to ____ p. m., ____ ins.
Total precipitation, midnight to midnight, ____ inches.
Character of day, ____ Moon phase, ____
Average daily cloudiness (0–10), ____
Actual sunshine, hours, ____ Possible sunshine, hours, ____
Per cent of possible sunshine, ____
Prevailing wind direction, ____ Total wind ____
Average hourly velocity, ____ Extreme velocity, ____
Maximum velocity, ____ Direction, ____
Time began, ____ ____
Reduced barometer, ____ a. m. ____, p. m.
River gage, ____
Relative humidity, ____ a. m. ____ p. m.

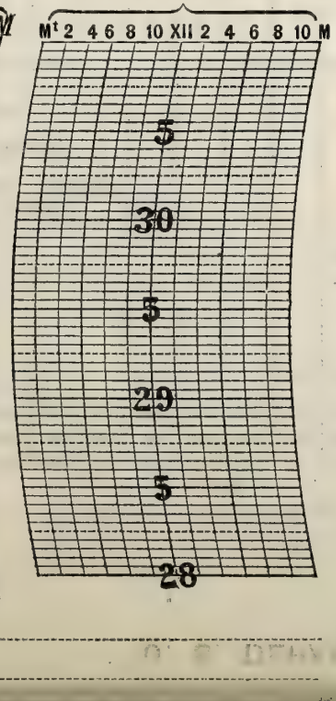
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, ____ Wet temperature, ____
Dew-point, ____ R. humidity, ____ V. pressure, ____
Clouds: Amount, ____; Kind, ____; Direction, ____
Velocity of clouds (miles per hour) ____

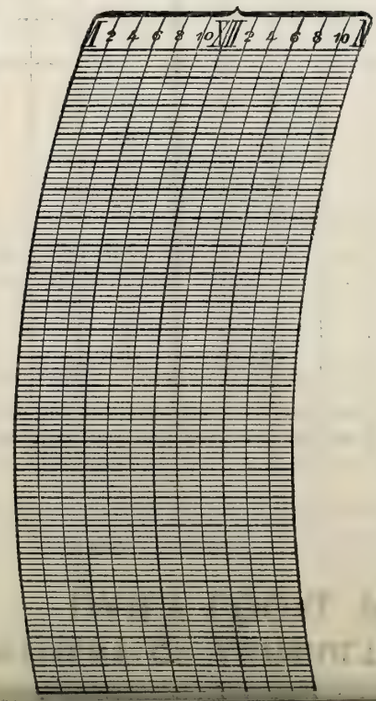
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



NOTES.

*Prepared by* _____

*Verified by* _____

8—486

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

*(Station)* _____, *(Day of week)* _____, *(Date)* _____, *192*

| Time (local standard). ____ mer. normal time. | A. M. 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | P. M. 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | | | | | | | | | | | | | | | | | | | | | | | | |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | | | | | | | | | | | | | | |
| | Sunrise: Time, Character, Moonrise: | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | | | | | | | | | | | | | | | | | | |
| Wind direction | | | | | | | | | | | | | | | | | | | | | | | | |
| Wind movement | | | | | | | | | | | | | | | | | | | | | | | | |
| Maximum velocities (exceeding ____ miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

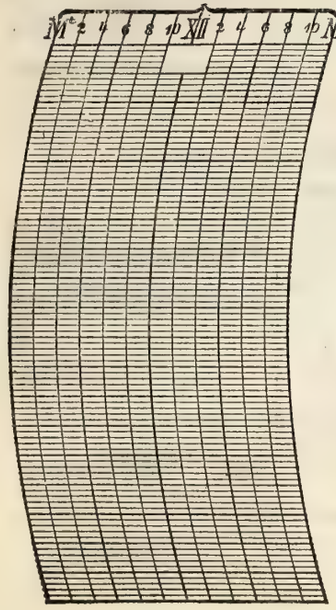
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| | | | |

Total depth of snow for 24 hours ending _____ p. m., _____ inches.
Snow, sleet, and hail on ground _____ p. m., _____ inches.
Total snowfall, midnight to midnight, _____ inches.
Precipitation to _____ a. m., _____ ins.; to _____ p. m., _____ ins.
Total precipitation, midnight to midnight, _____ inches.
Character of day, _____ Moon phase, _____
Average daily cloudiness (0–10), _____
Actual sunshine, hours, _____ Possible sunshine, hours, _____
Per cent of possible sunshine, _____
Prevailing wind direction, _____ Total wind _____
Average hourly velocity, _____ Extreme velocity, _____
Maximum velocity, _____ Direction, _____
Time began, _____ _____
Reduced barometer, _____ a. m. _____, p. m.
River gage, _____
Relative humidity, _____ a. m. _____ p. m.

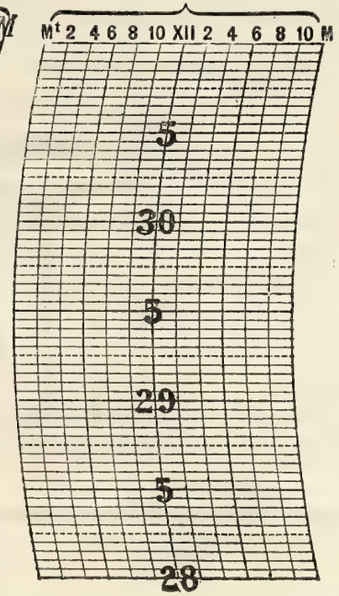
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, _____ Wet temperature, _____
Dew-point, _____ R. humidity, _____ V. pressure, _____
Clouds: Amount, _____; Kind, _____; Direction, _____
Velocity of clouds (miles per hour) _____

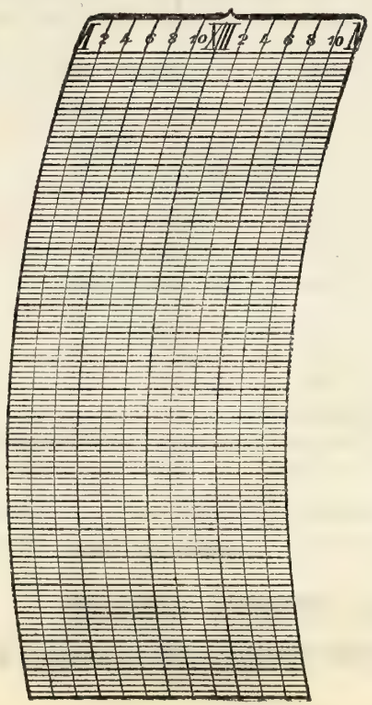
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



NOTES.

*Prepared by* _____

*Verified by* _____

8—486

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

*(Station)* _____, *(Day of week)* _____, *(Date)* _____, *192*

| Time (local standard)..... mer. normal time. | A. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | | | | | | | | | | | | | | | | | | | | | | | | |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation Cloudiness and other conditions | | | | | | | | | | | | | | | | | | | | | | | | |
| | Sunrise: Time, Character, Moonrise: | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | | | | | | | | | | | | | | | | | | |
| Wind direction | | | | | | | | | | | | | | | | | | | | | | | | |
| Wind movement | | | | | | | | | | | | | | | | | | | | | | | | |
| Maximum velocities (exceeding ..... miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

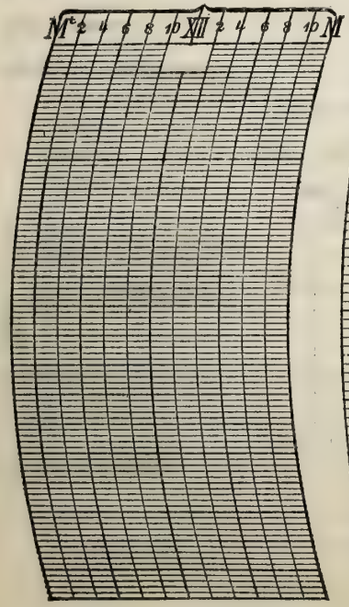
| Maximum temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| | | | |

Total depth of snow for 24 hours ending ..... p. m., ..... inches.
Snow, sleet, and hail on ground ..... p. m., ..... inches.
Total snowfall, midnight to midnight, ..... inches.
Precipitation to ..... a. m., ..... ins.; to ..... p. m., ..... ins.
Total precipitation, midnight to midnight, ..... inches.
Character of day, ..... Moon phase, .....
Average daily cloudiness (0-10), .....
Actual sunshine, hours, ..... Possible sunshine, hours, .....
Per cent of possible sunshine, .....
Prevailing wind direction, ..... Total wind .....
Average hourly velocity, ..... Extreme velocity, .....
Maximum velocity, ..... Direction, .....
Time began, .....
Reduced barometer, ..... a. m. ....., p. m.
River gage, .....
Relative humidity, ..... a. m. ..... p. m.

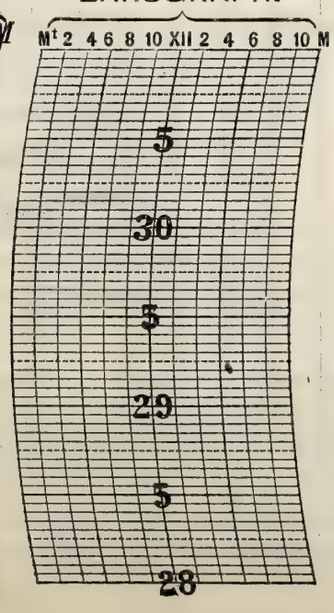
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, ..... Wet temperature, .....
Dew-point, ..... R. humidity, ..... V. pressure, .....
Clouds: Amount, .....; Kind, .....; Direction, .....
Velocity of clouds (miles per hour) .....

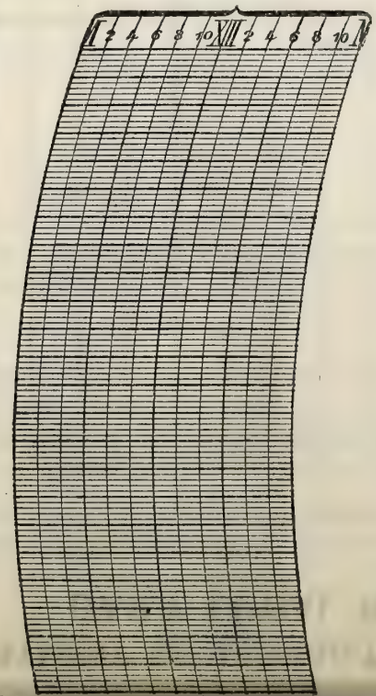
THERMOGRAPH.



BAROGRAPH.




THERMOGRAPH.



NOTES.

*Prepared by* _____

*Verified by* _____

8—486

# INDEX, DAILY LOCAL RECORD, 1923.

| SUBJECTS. | JANUARY. | FEBRUARY. | MARCH. | APRIL. | MAY. | JUNE. | JULY. | AUGUST. | SEPTEMBER. | OCTOBER. | NOVEMBER. | DECEMBER. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Auroras | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Clouds, special formation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cold waves | 0 | 0 | 19, 26, 30, 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dew, heavy deposits of | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 31 6, 7, 13, 22, 30, | 4, 10, 13, 14, | 0 | 0 | 0 |
| Droughts | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Earthquakes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fires, forest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fog, dense | 29, 31 | 12, 13 | 22 | 0 | 0 | 16 | 0 | 29 | 28, 25 | 14, 15 | 12, 13, 14, 23 | 3, 21, 27 |
| Floods, other than in rivers | — | — | — | — | — | — | — | — | — | — | — | — |
| Frosts, light | — | — | — | 0 | 0 | 29 | 0 | 0 | 14, 15, 16, | 3 | — | — |
| Heavy | — | — | — | 0 | 10, 13, 21 | 0 | 0 | 0 | 0 | 5 | — | — |
| Killing | — | — | — | 4, 12, 16, 17 | 0 | 0 | 0 | 0 | 0 | 6 | — | — |
| First killing after July 15 | — | — | — | — | — | — | — | — | — | 6 | — | — |
| Last killing before July 15 | — | — | — | 17 | — | — | — | — | — | — | — | — |
| Last heavy before July 15 | — | — | — | — | 21 | — | — | — | — | — | — | — |
| First heavy after July 15 | — | — | — | — | — | — | — | — | — | 5 | — | — |
| Hail. *See* Precipitation | — | — | — | — | — | — | — | — | — | — | — | — |
| Ice | 23, 24, 27, | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lightning, damage by | 0 | 0 | 0 | 0 | 0 | 5, | 11 | 0 | 0 | 0 | 0 | 0 |
| Deaths by | 0 | 0 | 0 | 0 | 0 | 5, | 11 | 0 | 0 | 0 | 0 | 0 |
| Meteors | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Navigation, opening | — | — | — | — | — | — | — | — | — | — | — | — |
| Closing | — | — | — | — | — | — | — | — | — | — | — | — |
| Impeded | — | — | — | — | — | — | — | — | — | — | — | — |
| Observations, not taken | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Taken late | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Special | 5, 6, 11 | 6 | 17, 18 | 6, 21 | 8, 11, 12, 15, 16 | 0 | 4 | 0 | 20, | 17, 24, 30 | 0 | 4, 5, 12, 13 |
| Optical phenomena, haze | 0 | 0 | 0 | 0 | 0 | 13, 14, 15, 18, 19 | 0 | 0 | 0 | 3 | 0 | 0 |
| Coronæ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Halo, lunar | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 | 21 | 23 |
| Solar | 29 | 4, 19 | 21 | 2, 26 | 3, 4 | 0 | 0 | 10 | 4, 25, 26, | 0 | 22 | 0 |
| Parhelia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Parselenæ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rainbows | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sunrise, peculiar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sunset, peculiar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Zodiacal light | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Precipitation, rain, heavy | 0 | 0 | 0 | 0 | 0 | 0 | 7, 11 | 3, 4 | 0 | 0 | 0 | 0 |
| Excessive | — | — | — | — | 0 | 0 | 7, 11 | 3, 4, 12 | 0 | 0 | 0 | 0 |
| Sleet | 13 | 0 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |



ENTER DATES, NOT PAGES.

# INDEX, DAILY LOCAL RECORD, 1923

| SUBJECTS. | JANUARY. | FEBRUARY. | MARCH. | APRIL. | MAY. | JUNE. | JULY. | AUGUST. | SEPTEMBER. | OCTOBER. | NOVEMBER. | DECEMBER. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Precipitation—Continued. | 27, 12, 13, 16, 23, 24, | 24, 27, 28. 17, 20, 21, 22, 23, 13, 14, 16, 17, 18, | 19, 28, 30 31 | | | | | | | | | |
| Snow, light | 3, 4, 5, 6, 7, 10, | 2, 3, 6, 7, 9, 10, 11, | 2, 13, 14, 16, 18, | 5, 8, 9, 15, | 8, 9 | 0 | 0 | 0 | 0 | 0 | 2, 30 | 3 |
| Heavy | 5-6 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hail | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wet periods | 2-10, | 9-14, 16-28, | 9-14, | 0 | 7-12, | 0 | 3-7 | 26-29, | 0 | 0 | 0 | 19-23 |
| Rivers, rapid rise | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 5, 14 |
| Flood stages | 0 | 0 | 18, 19 13, 14, 16, 17, | 0 | 16, 17, 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low-water stages, unusual | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| High water, periods of | 0 | 0 | 10-21 | 0 | 15-29, | 0 | 0 | 0 | 0 | 0 | 0 | 5-9, 14-16, 22-25 |
| Frozen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Floating débris | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Gorges | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Running ice | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Warnings. *See* Warnings | — | — | — | — | — | — | — | — | — | — | — | — |
| Smoke, light | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9, 22, 29 | 1 | 0 |
| Dense | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Temperature, unusually high | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unusually low | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 22, 23, 25 | 15, 16, | 0 | 0 | 0 |
| Sudden rise | 11, | 0 | 12, | 12, 19 | 24, | 30 | 9, 20, | 0 | 17 | 0 | 0 | 0 |
| Sudden fall | 0 | 13, | 4, 16, 18, 25 | 8, 14 | 8, 16, | 6, | 7, 11, 15 | 21, 31 | 0 | 19 | 0 | 19 |
| Periods of high | 0 | 0 | 0 | 19-21, | 0 | 18-25, | 0 | 0 | 0 | 0 | 0 | 0 |
| Periods of low | 0 | 0 | 5-7, | 0 | 0 | 0 | 0 | 22-26, | 0 | 0 | 0 | 0 |
| Thunderstorms | 0 | 0 | 11 | 2, 21 | 11, 12, 19 | 5, 6, 21 | 4, 5, 6, 7, 11, 14, 15, 23, 24, 30 | 3, 4, 11, 12, 27, 31 | 6, 7, 20, | 0 | 0 | 0 |
| Tornadoes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Warnings, advisory | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cold wave | 0 | 2, 3, | 30 17, 18, 25, 29, | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29, 30, 31 |
| Emergency | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Frost | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13, 14 | 3, 4, 5, 7, 8, | 0 | 0 |
| Hurricane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rapid rise in river | 0 | 0 | 15, | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Flood | 0 | 0 | 15 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Winds, 25 to 39 miles per hour | 9, 11, 12, 14, 15, 16, 17, 18, | 3, 8, 16, 24 | 2, 8, 9, 10, 11, 16, 18, 19, 20, 24, 25, 27, 28, 30 | 2, 5, 8, 11, 13, 14, 15, 18, 19, 29, 30 | 4, 5, 7, 8, 9, 10, 20, 23 | 6, 7, 26 | 7, 11, | 12, 21, 24, | 0 | 17, 19, 24, | 2, 18, 19, 30 | 2, 12, 13, 25, 27, 28, 31 |
| 40 miles per hour, or over | 0 | 13, 14, | 4, 12, | 2, 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hurricanes | — | — | — | — | — | — | — | — | — | — | — | — |

8—486

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